A summary list of fossil spiders and their relatives

compiled by

Jason A. Dunlop (Berlin), David Penney (Manchester) & Denise Jekel (Berlin)

with additional contributions from Lyall I. Anderson, Simon J. Braddy, James C. Lamsdell, Paul A. Selden & O. Erik Tetlie

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INTRODUCTION

Fossil spiders have not been fully cataloged since Bonnet's *Bibliographia Araneorum* and are not included in the current *World Spider Catalog*. Since Bonnet's time there has been considerable progress in our understanding of the fossil record of spiders – and other arachnids – and numerous new taxa have been described. For an overview see Dunlop & Penney (2012). Spiders remain the single largest fossil group, but our aim here is to offer a summary list of all fossil Chelicerata in their current systematic position; as a first step towards the eventual goal of combining fossil and Recent data within a single arachnological resource.

To integrate our data as smoothly as possible with standards used for living spiders, our list for Araneae follows the names and sequence of families adopted in the previous Platnick Catalog. For this reason some of the family groups proposed in Wunderlich's (2004, 2008, 2012) monographs of amber and copal spiders are not reflected here, and we encourage the reader to consult these studies for details and alternative opinions. Extinct families have been inserted in the position which we hope best reflects their probable affinities. For other arachnid groups we have largely followed the nomenclature and family sequences adopted in other online or printed summaries; for example Victor Fet *et al*.'s work on scorpions, Mark Harvey's catalogues of pseudoscorpions and the 'minor' orders – all of which also list the fossils – Adriano Kury's harvestman overviews and the third edition of the Manual of Acarology for mites. For all groups, genus and species names were compiled from established lists and cross-referenced against the primary literature.

We aim to reflect the latest published opinions on the taxonomy of fossil species. A caveat here is that some synonomies and transfers proposed in the literature were only provisional or tentative in nature. At times we were forced to interpret whether a formal nomenclatural change had actually been made, and we have tried to accomodate these difficulties as best as possible. We should also stress that many historical fossil types require revision. Older species names assigned to common, modern genera such as *Araneus*, *Clubiona* or *Linyphia* among the spiders, should be treated with caution. The list has been extended to include Recent species – particularly some spiders and numerous oribatid mites – found as (sub)fossils. These are generally specimens of Quaternary age found in copal, or recovered from peats or archeological sites.

We have provided references for the first descriptions of all the fossil species, and where possible we have added the relevant taxonomic literature for all the taxon names which we mention here. We should, however, note that for some groups (especially mites) recovering the correct author and date for higher taxa proved challenging, and we hope in future releases to be able to clarify these names and augment the reference list accordingly. Formal synonomy lists for the fossil species are being compiled and that which we have for individual taxa can be made available upon request upon a 'fair use' basis. As with any project of this size, we cannot guarantee the accuracy of all these entries and we encourage readers to foward omissions or corrections to jason.dunlop@mfn.berlin.

PRINCIPAL CHANGES SINCE THE LAST UPDATE

Due to the COVID pandemic updates were not made as regularly as usual, thus the present version covers more than 2 years. Important changes include Paul Selden's 2021 revision of the Palaeozoic spiders, in which several taxa were removed from Araneae, David Penney's 2020 catalogue of Baltic amber spiders, which recognised several taxa as *nomina dubia*, and a number of new Burmese amber spider descriptions by Jörg Wunderlich in 2020 and Jörg Wunderlich and Patrick Müller in 2021 and 2022. Numerous new records, mostly in amber, have also been added for scorpions, pseudoscorpions, harvestmen, mites and ticks. New fossil sea spiders have also been added. Several rearrangements and synonymys in the taxonomy of horseshoe crabs have also been published.

ACKNOWLEDGMENTS

We are very grateful to Wolfgang Nentwig and the Bern team for agreeing to host this list as an appendix to the Catalog, to Paul Selden for encouragement, support and corrections, and to those colleagues who have advised us on oversights and/or provided further literature.

EXPLANATIONS

- † indicates an entirely extinct genus, family or other higher taxon
- all species listed assumed to be extinct unless marked **[Recent]**
- * indicates the type species of (fossil) genera

Stratigraphical abbreviations:

pЄ = Precambrian, Є = Cambrian, O = Ordovician, S = Silurian, D = Devonian, C = Carboniferous, P = Permian

Tr = Triassic, J = Jurassic, K = Cretaceous

Pa = Palaeogene, Ne = Neogene, Qt = Quaternary

PYCNOGONIDA

13 currently valid species of fossil sea spider

- higher systematics and nomenclature of the extant taxa follow the WoRMs database
- phylogenetic arrangement largely based on Ballesteros *et al*. (2021)

PYCNOGONIDA Latreille, 1810 ..... Cambrian – Recent

= ARACHNOPODA Dana, 1853

† ***Cambropycnogon*** **Waloszek & Dunlop, 2002** ..... **Cambrian**

1. *Cambropycnogon klausmuelleri* Waloszek & Dunlop, 2002* ..... € 'Orsten', Sweden

immature instar; pycnogonid affinities were questioned by Bamber (2007)

† ***Haliestes*** **Siveter, Sutton, Briggs & Siveter, 2004** ..... **Silurian**

2. *Haliestes dasos* Siveter, Sutton, Briggs & Siveter, 2004* ..... S Herefordshire Lgst.

in some phylogenies *Haliestes* resolves in a more derived position among the Eupantopodida

† ***Flagellopantopus*** **Poschmann & Dunlop, 2006** ..... **Devonian**

3. *Flagellopantopus blocki* Poschmann & Dunlop, 2006* ..... D Hunsrückschiefer

† ***Palaeomarachne*** **Rudkin, Cuggy, Young & Thompson, 2013** ..... **Ordovician**

4. *Palaeomarachne granulata* Rudkin, Cuggy, Young & Thompson, 2013* O Mantobia, Canada

† ***Pentapantopus*** **Kühl, Poschmann & Rust, 2013** ..... **Devonian**

5. *Pentapantopus vogteli* Kühl, Poschmann & Rust, 2013* ..... D Hunsrückschiefer

† **PALAEOISOPODIDAE Dubinin, 1957** ..... **Devonian**

† ***Palaeoisopus*** **Broili, 1928** ..... **Devonian**

6. *Palaeoisopus problematicus* Broili, 1928* ..... D Hunsrückschiefer

† **PALAEOPANTOPODIDAE Broili, 1930** ..... **Devonian**

† ***Palaeopantopus*** **Broili, 1928** ..... **Devonian**

7. *Palaeopantopus maucheri* Broili, 1928* ..... D Hunsrückschiefer

PANTOPODA Gerstaecker, 1863 (order) ..... Devonian – Recent

= PEGMATA Fry, 1978

family/superfamily uncertain

† ***Palaeothea*** **Bergström, Stürmer & Winter, 1980** ..... **Devonian**

8. *Palaeothea devonica* Bergström, Stürmer & Winter, 1980* ..... D Hunsrückschiefer

STIRIPASTERIDA Fry, 1978 (suborder) ..... **Recent**

AUSTRODECIDAE Stock, 1954 ..... **Recent**

no fossil record

EUPANTOPODIDA Fry, 1978 (suborder) ..... **Jurassic – Recent**

RHYNCHOTHORACOIDEA Fry, 1978 ..... **Recent**

RHYNCHOTHORACIDAE Thompson, 1909 ..... **Recent**

no fossil record

PYCNOGONOIDEA Pocock, 1904 ..... **Recent**

PYCNOGONIDAE Wilson, 1878 ..... **Recent**

no fossil record

COLOSSENDEIDOIDEA Hoek, 1881 ..... **?Jurassic – Recent**

COLOSSENDEIDAE Hoek, 1881 ..... **?Jurassic – Recent**

= PASITHOIDAE Sars, 1891

= RHOPALORHYNCHIDAE Fry, 1978

† ***Colossopantopodus*** **Charbonnier, Vannier & Riou, 2007** ..... **Jurassic**

tentative famial referal

9. *Colossopantopodus boissinensis* Charbonnier, Vannier & Riou, 2007* . J La Voulte-sur-Rhône
10. *Colossopantopodus nanus* Sabroux, Audo, Charbonnier, Corbari & Hassanin, 2019 ..... J Solnhofen

PHOXICHILIDOIDEA Sars, 1891 ..... **?Jurassic – Recent**

ENDEIDAE Norman, 1904 ..... **?Jurassic – Recent**

† ***Palaeoendeis*** **Charbonnier, Vannier & Riou, 2007** ..... **Jurassic**

tentative famial referal

11. *Palaeoendeis elmii* Charbonnier, Vannier & Riou, 2007* ..... J La Voulte-sur-Rhône

PHOXICHILIDIIDAE Sars, 1891 ..... **Recent**

= ANOPLODACTYLIDAE Fry, 1978

= PHOXIPHILYRIDAE Fry, 1978

no fossil record

ASCHORHYNCHOIDEA Pocock, 1904 ..... **Jurassic – Recent**

AMMOTHEIDAE Dohrn, 1881 ..... **Jurassic – Recent**

= EURYCIDIDAE Sars, 1891

= OORHYNCHIDAE Schimkewitsch, 1913

= TANYSTYLIDAE Schimkewitsch, 1913

= AMMOTHELLIDAE Fry, 1978

= EPHYROGYMNIDAE Fry, 1978

= PARANYMPHONIDAE Fry, 1978

= SERICOSURIDAE Fry, 1978

= TRYGAEIDAE Fry, 1978

† ***Palaeopycnogonides*** **Charbonnier, Vannier & Riou, 2007** …….…….. **Jurassic**

tentative famial referal

12. *Palaeopycnogonides gracilis* Charbonnier, Vannier & Riou, 2007* …… J La Voulte-sur-Rhône

ASCORHYNCHIDAE Hoek, 1881 ……..…….. **Jurassic – Recent**

Eurycyde **Schiödte, 1857** ……..……..…….. **Jurassic – Recent**

13. *?Eurycyde golem* Sabroux, Audo, Charbonnier, Corbari & Hassanin, 2019 ……..…….. J Solnhofen

NYMPHONOIDEA Pocock, 1904 ……..…….. **Recent**

CALLIPALLENIDAE Hilton, 1942 ……..…….. **Recent**

= PALLENIDAE Wilson, 1878 [*Pallene* is a preoccupied genus]

= CHEILAPALLENIDAE Fry, 1978

= CLAVIGEROPALLENIDAE Fry, 1978

= HANNONIDAE Fry, 1978

= METAPALLENIDAE Fry, 1978

= QUEUBIDAE Fry, 1978

= STYLOPALLENIDAE Fry, 1978

no fossil record

NYMPHONIDAE Wilson, 1878 ……..…….. **Recent**

no fossil record

PALLENOPSIDAE Fry, 1978 ……..…….. **Recent**

no fossil record

MISIDENTIFICATIONS

1. *Pentapalaeopycnon inconspicua* Hedgpeth, 1978 [crustacean] ……..……J Solnhofen
2. *Pycnogonites uncinatus* Quenstedt, 1852 [crustacean] ……..……..……J Solnhofen

c. 1,300 Recent species

(EU)CHELICERATA

7 currently valid, but unplaced (eu)chelicerate fossil species

- *Sanctacaris* has been recovered as an early chelicerate in some phylogenetic studies – most recently by Legg (2014) – although this interpretation is not universal
- Other authors such as Aria & Bernard (2019) place genera such as *Habelia* Walcott, 1912 and *Mollisonia* Walcott, 1912 within, or close to, Chelicerata
- resting impressions imply that Chasmataspidida were probably present in the late Cambrian

CHELICERATA Heymons, 1901 ..... ?Cambrian – Recent

† ***Sanctacaris* Briggs & Collins, 1988**..... **Cambrian**

1. *Sanctacaris uncata* Briggs & Collins, 1988* ..... Є Burgess Shale

EUCHELICERATA Weygoldt & Paulus, 1979 ..... ?Cambrian – Recent

STEM-EUCHELICERATA?

† ***Offacolus* Orr, Siveter, Briggs, Siveter & Sutton, 2000** ..... **Silurian**

usually resolved as basal euchelicerate

2. *Offacolus kingi* Orr, Siveter, Briggs, Siveter & Sutton, 2000* ..... S Herefordshire Lgst.

† ***Dibasterium* Briggs, Siveter, Siveter, Sutton, Garwood & Legg, 2012** ..... **Silurian**

described as a horseshoe crab, put placed in some studies as a basal euchelicerate

3. *Dibasterium durgae* Briggs, Siveter, Siveter, Sutton, Garwood & Legg, 2012* ..... S Herefordshire Lgst.

EUCHELICERATA *INCERTAE SEDIS*

† ***Houia* Selden, Lamsdell & Qi, 2015** ..... **Devonian**

described as sharing features with both horseshoe crabs and eurypterids

4. *Houia guangxiensis* Wang, Lei, Zhang, Jarzembowski & Xu, 2021..... D Guangxi, China
5. *Houia yueya* Lamsdell, Xue & Selden, 2013*..... D Yunann, China

† ***Polystomurum* Novojilov, 1958** ..... **Devonian**

6. *Polystomurum stormeri* Novojilov, 1958* ..... D Voroneje, Siberia

† ***Thurandina* Størmer, 1974** ..... **Devonian**

7. *Thurandina waterstoni* Størmer, 1974* ..... D Alken an der Mosel

XIPHOSURA *s. lat.*

105 currently valid species traditionally assigned to horseshoe crabs, of which 84 are unequivocal Xiphosura

- Lamsdell (2013) argued that Xiphosura may not be monophyletic and that a number of fossils traditionally placed as stem-group (synziphosurine) horseshoe crabs are actually stem-group euchelicerates. The list below attempts to reflect this position, whereby it should be noted that in this scheme the Planaterga clade would also include Chasmataspidida, Eurypterida and Arachnida and Planaterga is nested within Prosomapoda.

PROSOMAPODA Lamsdell, 2013*a* ..... **Ordovician? – Recent**

FAMILY UNSPECIFIED

undetermined synziphosurine *in* Poschmann & Francke (2006) ..... D Waxweiler, Germany

† ***Anderella*** **Moore, McKenzie & Lieberman, 2007** ..... **Carboniferous**

1. *Anderella parva* Moore, McKenzie & Lieberman, 2007* ..... C Bear Gulch

† ***Borchgrevinkium*** **Novojilov, 1959** ..... **Devonian**

2. *Borchgrevinkium taimyrensis* Novojilov, 1959* ..... D Taimyr, Siberia

† ***Camanchia*** **Moore, Briggs, Braddy & Shultz, 2011** ..... **Silurian**

3. *Camanchia grovensis* Moore, Briggs, Braddy & Shultz, 2011* ..... S Scotch Grove, Iowa

† ***Legrandella*** **Eldredge, 1974** ..... **Devonian**

4. *Legrandella lombardii* Eldredge, 1974* ..... D Cochabamba, Bolivia

† ***Venustulus*** **Moore, 2005 *in* Moore *et al*.** ..... **Silurian**

5. *Venustulus waukeshaensis* Moore, 2005 *in* Moore *et al*.* ..... S Waukesha Lgst.

† **WEINBERGINIDAE Richter & Richter, 1929** ..... **Devonian**

† ***Weinbergina*** **Richter & Richter, 1929** ..... **Devonian**

6. *Weinbergina opitzi* Richter & Richter, 1929* ..... D Hunsrückschiefer

PLANATERGA Lamsdell, 2013*a* ..... **Silurian – Recent**

Planaterga *sensu* Lamsdell (2013*a*) woul also include chasmataspids, eurypterids and arachnids

FAMILY UNSPECIFIED

† ***Bembicosoma*** **Laurie, 1899** ..... **Silurian**

7. *Bembicosoma pomphicus* Laurie, 1899* ..... S Pentland hills

† ***Cyamocephalus*** **Currie, 1927** ..... **Silurian**

8. *Cyamocephalus loganensis* Currie, 1927* ..... S Lesmahagow

† ***Pseudoniscus*** **Nieszkowski, 1859** ..... **Silurian**

= † *Neolimulus* Woodward, 1868*a*

9. *Pseudoniscus aculeatus* Nieszkowski, 1859* ..... S Saaremaa

10. *Pseudoniscus clarkei* Ruedemann, 1916 ..... S Pittsford, New York
11. *Pseudoniscus falcatus* (Woodward, 1868*a*) ..... S Lesmahagow
12. *Pseudoniscus roosevelti* Clarke, 1902 ..... S 'Bertie Waterlime'

† ***Bunaia* Clarke, 1919** ..... **Silurian**

13. '*Bunaia*' *heintzi* Størmer, 1934*a* ..... S Spitsbergen
14. *Bunaia woodwardi* Clarke, 1919* ..... S 'Bertie Waterlime'

† **BUNODIDAE Packard, 1896** ..... **Silurian**

† ***Bunodes* Eichwald, 1854** ..... **Silurian**

= † *Exapinurus* Nieszkowski, 1859

15. *Bunodes lunula* Eichwald, 1854* ..... S Saaremaa
    i. = *Bunodes rugosus* Eichwald, 1854 ..... S Saaremaa
    ii. = *Exapinurus schrenki* Nieszkowski, 1859 ..... S Saaremaa

† ***Limuloides* Woodward, 1865** ..... **Silurian**

= † *Hemiaspis* Woodward, 1864 [preoccupied]

16. *Limuloides limuloides* (Woodward, 1865) ..... S Ludlow
17. *Limuloides horridus* (Woodward, 1872*a*) ..... S Ludlow
18. *Limuloides salweyi* (Woodward, 1872*a*) ..... S Ludlow
    i. = *Hemiaspis tuberculatus* (Salter *in* Woodward, 1872*a*) S Ludlow
19. *Limuloides speratus* Woodward, 1872*a* ..... S Ludlow
    i. = *Hemiaspis optatus* (Salter *in* Woodward, 1872*a*) ..... S Ludlow

† ***Pasternakevia* Selden & Drygant, 1987** ..... **Silurian**

20. *Pasternakevia podolica* Selden & Drygant, 1987* ..... S Podolia

XIPHOSURA Latreille, 1802 ..... Ordovician – Recent

= MEROSTOMATA Dana, 1852

systematics primarily follow Lamsdell (2020*a*)

FAMILY UNSPECIFIED

† ***Lunataspis* Rudkin, Young & Nowlan, 2008** ..... **Ordovician**

21. *Lunataspis aurora* Rudkin, Young & Nowlan, 2008 ..... O Manitobia

† ***Maldybulakia* Tesakov & Alekseev, 1998** ..... **Devonian**

= † *Lophodesmus* Tesakov & Alekseev, 1992 [preoccupied]

originally described as possible myriapods; not included under Xiphsoura by Lamsdell (2020*a*)

22. *Maldybulakia angusi* Edgecombe, 1998 ..... D New South Wales
23. *Maldybulakia malcomi* Edgecombe, 1998 ..... D New South Wales
24. *Maldybulakia mirabilis* (Tesakov & Alekseev, 1992)* ..... D Kazakhstan

† ***Willwerathia* Størmer, 1969** ..... **Devonian**

25. *Willwerathia laticeps* (Størmer, 1936*a*)* ..... D Willwerath

resembles *Maldybulakia* – could be an artiopod; see comments in Lamsdell (2020*b*)

† **KASIBELINURIDAE Pickett, 1993** ..... **Devonian**

= † ELLERIDAE Raymond, 1944

† ***Kasibelinurus* Pickett, 1993** ..... **Devonian**

26. *Kasibelinurus amicorum* Pickett, 1993* ..... D New South Wales

† ***Pickettia* Bicknell, Lustri & Broughman, 2019** ..... **Devonian**

27. *Pickettia carterae* (Eller, 1940)* ..... D Pennsylvania

XIPHOSURIDA Latreille, 1802 ..... Devonian – Recent

† **BELINURINA Zittel & Eastman, 1913** ..... **Carboniferous**

† **BELINURIDAE Zittel & Eastman, 1913** ..... **Carboniferous**

= † EUPROOPIDAE Eller, 1938*b*

= † LIOMESASPIDIDAE Raymond, 1944

† ***Alanops* Racheboeuf *et al*., 2002** ..... **Carboniferous**

28. *Alanops magnifica* Racheboeuf *et al*., 2002 ..... C Montceau-les-Mines

† ***Anacontium* Raymond, 1944** ..... **Permian**

29. *Anacontium brevis* Raymond, 1944 ..... P Oklahoma

30. *Anacontium carpenteri* Raymond, 1944 ..... P Oklahoma

† ***Andersoniella* Lamsdell, 2020*a*** ..... **Carboniferous**

31. *Andersoniella longispina* (Packard, 1885)* ..... C Mazon Creek

† ***Belinurus* Bronn, 1839** ..... **Carboniferous**

= † *Bellinurus* Pictet, 1846

= † *Steropsis* Baily, 1869

= † *Koenigiella* Raymond, 1944

= † *Macrobelinurus* Lamsdell, 2020*a*

= † *Parabelinurus* Lamsdell, 2020*a*

the authorship and spelling of *Belinurus* follows Lamsdell & Clapham (2021) and the following scheme is based on the synonymies summarized by Lamsdell (2022)

32. ?*Belinurus iswariensis* (Chernyshev, 1928) [merits restudy] ..... C Donetz Basin

33. ?*Belinurus kiltorkensis* Baily, 1869 [carapace only] ..... C Coal Measures

34. *Belinurus lacoei* Packard, 1885 ..... C Mazon Creek

35. ?*Belinurus metschetensis* (Chernyshev, 1928) [merits restudy] ..... C Donetz Basin

36. *Belinurus silesiacus* (Roemer, 1883) ..... C Silesia, Poland

37. *Belinurus* [*sic*] *sinicus* Hong, 1979 ..... C Shanxi, China

38. ?*Belinurus stepanovi* (Chernyshev, 1928) [merits restudy] ..... C Donetz Basin

39. *Belinurus sustai* (Prantl & Přibyl, 1955) ..... C Coal Measures

40. *Bellinurus trilobitoides* (Buckland, 1837)* ..... C Coalbrookdale, UK

i. = *Bellinurus baldwini* Woodward, 1907*b* ..... C Coal Measures

ii. = *Belinurus bellulus* König, 1851 ..... C Coalbrookdale, UK

iii. = *Bellinurus carwayensis* Dix & Pringle, 1929 ..... C South Wales, UK

iv. = *Belinurus concinnus* Dix & Pringle, 1929 ..... C South Wales, UK

v. = *Bellinurus grandaevus* Jones & Woodward, 1899 .... C Nova Scotia

vi. = *Belinurus koenigianus* Woodward, 1872*a* ..... C Coal Measures

vii. = *Bellinurus longicaudatus* Woodward, 1907*b* …… C Coal Measures
viii. = *Bellinurus pustulosus* Dix & Pringle, 1929 ……. C South Wales, UK
ix. = *Bellinurus morgani* Dix & Pringle, 1930 ……. C South Wales, UK
x. = *Belinurus reginae* Baily, 1863 ……C Coal Measures
xi. = *Belinurus trechmanni* Woodward, 1918 …….. C Coal Measures
xii. = *Bellinurus truemani* Dix & Pringle, 1929 ……. C South Wales, UK
xiii. = *Parabelinurus lunatus* (Baldwin, 1905) ……. C Mansfield, UK
Martin's (1809) useage of this species name was supressed by the ICZN
xiv. = *Steropis arcuatus* Baily, 1863…… C Coal Measuers

† ***Euproops*** **Meek, 1867** ……**Carboniferous**

41. *Euproops bifidus* Siegfried, 1972 …… C Coal Measures
42. *Euproops danae* (Meek & Worthen, 1865)* …… C Coal Measures
i. = *Euproops amiae* Woodward, 1918 …….. C Coal Measures
ii. = *Euproops darrahi* Raymond, 1944 ……..C Coal Measures
iii. = *Euproops graigolae* Dix & Pringle, 1929 ..…… C South Wales
iv. = *Euroops gwenti* Dix & Pringle, 1929 …… C South Wales
v. = *Euproops islwyni* Dix & Pringle, 1929 …….. C South Wales
vi. = *Euproops kilmersdonensis* Ambrose & Romano, 1972C Kilmersdon, UK
vii. = *Euproops laevicula* Raymond, 1944 …… C Coal Measures
viii. = *Euproops laticephalus* Raymond, 1944 …….. C Coal Measures
ix. = *Euproops packardi* Willard & Jones, 1935 …….. C Coal Measures
x. = *Euproops thompsoni* Raymond, 1944 …….. C Coal Measures
xi. = *Prestwichia (Euproops) scheeleana* Ebert, 1892 …… C Coal Measures
xii. = *Prestwichianella zalesskii* Chernyshev, 1927 ……. C Donets basin
43. *Euproops meeki* Dix & Pringle, 1929 ……C South Wales
44. *Euproops nitida* Dix & Pringle, 1929 …… C South Wales
Euproops sp. *in* Brauckmann (1982) ……C Piesberg, Germany

† ***Liomesaspis*** **Raymond, 1944** …… **Carbon. – Permian**
= † *Palatinaspis* Malz & Poschmann, 1993

45. *Liomesaspis laevis* Raymond, 1944* ……C Coal Measues
i. = *Palatinaspis beimbaueri* Malz & Poschmann, 1993 ….. C Saar-Nahe Basin
ii. = *Pringlia bispinosa* Raymond, 1944 …….. C Coal Measures
iii. = *Pringlia demaisterei* Vandenberghe, 1961 ……..C Coal Measures
iv. = *Pringlia fritschi* Remy & Remy, 1959 …… C Coal Measures
46. *Liomesaspis leonardensis* (Tasch, 1961) …… P Annelly, Kansas

† ***Patesia*** **Bicknell & Smith, 2021*a*** …… **Devonian**

47. *Patesia alleghenyensis* (Eller, 1938*a*) …… D New York State
48. *Patesia randalli* (Beecher, 1902)* …… D Pennsylvania

† ***Prestwichianella*** **Woodward, 1876** …… **Carbon. - Permian**
= *Prestwichia* Woodward, 1867 [preoccupied]

49. *Prestwichianella anthrax* (Prestwich, 1840)* …… C Coal Measures

50. *Prestwichianella cambrensis* (Dix & Pringle, 1929) ..... C Coal Measures
51. *Prestwichianella mariae* (Crônier & Courville, 2005) ..... C Massif Central
52. *Prestwichianella*? *orientalis* (Kobayashi, 1933) ..... ?P Korea
53. *Prestwichianella rotundatus* (Prestwich, 1840) ..... C Coal Measues

† ***Pringlia* Raymond, 1944** ..... **Carboniferous**

54. *Pringlia birtwelli* Woodward, 1872*a** ..... C Coal Measues

† ***Prolimulus* Frič, 1899** ..... **Carboniferous**

Lamsdell (2020*a*) suggested it could be a senior synonym of *Pringlia*

55. *Prolimulus woodwardi* Frič, 1899* ..... C Nýřany

† ***Stilpnocephalus* Selden, Simonetto & Marsiglio, 2019** ..... **Carboniferous**

56. *Stilpnocephalus pontebbanus* Selden, Simonetto & Marsiglio, 2019* ..... C Carnic Alps

BELINURA *INCERTAE SEDIS*

† ***Xiphosuroides* Shpinev & Vasilenko, 2018** ..... **Carboniferous**

57. *Xiphosuroides khakassicus* Shpinev & Vasilenko, 2018* [eggs !] ..... C Khakassia

LIMULINA Richter & Richter, 1929 ..... **Devonian – Recent**

unnanmed specimen *in* Krause *et al*. (2009) ..... Tr Ohrdruf, Germany

† ***Bellinuroopsis* Chernyshev, 1933** ..... **Devonian**

= † *Neobelinuropsis* Eller, 1938*a*

58. *Bellinuroopsis rossicus* Chernyshev, 1933* ..... D Urals

† **ROLFEIIDAE Selden & Siveter, 1987** ..... **Carboniferous**

† ***Rolfeia* Waterston, 1985** ..... **Carboniferous**

59. *Rolfeia fouldenensis* Waterston, 1985* ..... C Fouldon, Scotland

† **PALEOLIMULOIDEA Raymond, 1944** ..... **Carbon. – Jurassic**

† **PALEOLIMULIDAE Raymond, 1944** ..... **Carbon. – Jurassic**

= † MESOLIMULIDAE (Størmer, 1952) [in part; see Reik & Gill 1971]

= † MORAVURIDAE Příbyl, 1967

† ***Paleolimulus* Dunbar, 1923** ..... **Carbon. – Triassic**

60. *Paleolimulus kunguricus* Naugolnykh, 2017 ..... P Cis-Urals
61. *Paleolimulus longispinus* Schram, 1979 ..... C Bear Gulch, Montana
62. *Paleolimulus mazonensis* Bicknell, Naugolnykh & McKenzie, 2022*a* ..... C Mazon Creek
63. *Paleolimulus signatus* (Beecher, 1904) ..... C–P Kansas, Illinois

i. = *Paleolimulus avitus* Dunbar, 1923* ..... P Kansas

Paleolimulus sp. *in* Ewington *et al*. (1989) ..... P Tasmania

?*Palaeolimulus* sp. *in* Hauschke & Wilde (2000) ..... Tr Harz, Germany

† ***Norilimulus* Lamsdell, 2020*a*** ..... **Carboniferous**

64. *Norilimulus woodae* (Lerner, Lucas & Mansky, 2016)* ..... C Nova Scotia

† ***Xaniopyramis* Siveter & Selden, 1987** ..... **Carboniferous**

65. *Xaniopyramis linseyi* Siveter & Selden, 1987* ..... C Weardale, UK

† **PALEOLIMULIDAE *incertae sedis***

66. ?*Paleolimulus juresanensis* Chernyshev, 1933 ..... C Ural region

see Bicknell *et al*. (2020)

LIMULOIDEA Leach, 1819 ..... **Carbon. – Recent**

unnamed specimen *in* Hauschke & Wilde (1989) ..... P Korbacher Bucht

Limuloidea fam., gen. et sp. indet. *in* Seegis (2014) ..... Tr Stuttgart Formation

† ***Valloisella* Racheboeuf, 1992** ..... **Carboniferous**

67. *Valloisella lievinensis* Racheboeuf, 1992* ..... C northern France

† **AUSTROLIMULIDAE Riek, 1955** ..... **Triassic – Jurassic**

= † DUBBOLIMULIDAE Pickett, 1984

† ***Attenborolimulus* Bicknell & Shcherbakov, 2021** ..... **Triassic**

68. *Attenborolimulus superspinosus* Bicknell & Shcherbakov, 2021* ..... Tr Petropavlovka

† ***Austrolimulus* Riek, 1955** ..... **Triassic**

69. *Austrolimulus fletcheri* Riek, 1955* ..... Tr New South Wales

† ***Batracholimulus* Lamsdell, 2020*a*** ..... **Triassic**

70. *Batracholimulus fuchsbergensis* (Hauschke & Wilde, 1987)* ..... Tr northwest Germany

† ***Dubbolimulus* Pickett, 1984** ..... **Triassic**

71. *Dubbolimulus peetae* Pickett, 1984* ..... Tr New South Wales

† ***Franconiolimulus* Bicknell, Hecker & Heyng, 2021*a*** ..... **Jurassic**

72. *Franconiolimulus pochankei* Bicknell, Hecker & Heyng, 2021*a** ..... J Pechgraben

† ***Panduralimulus* Allen & Feldman, 2005** ..... **Permian**

73. *Panduralimulus babcocki* Allen & Feldman, 2005* ..... P Texas

† ***Psammolimulus* Lange, 1923** ..... **Triassic**

74. *Psammolimulus gottingensis* Lange, 1923* ..... Tr Göttingen, Germany

† ***Shpineviolimulus* Bicknell, Naugolnykh & Brougham, 2020** ..... **Permian**

75. *Shpineviolimulus jakovlevi* Glushenko *in* Glushenko & Ivanov, 1961* .... P Novoselovka, Ukraine

† ***Tasmaniolimulus* Bicknell, 2019** ..... **Triassic**

76. *Tasmaniolimulus patersoni* Bicknell, 2019* ..... P Tasmania

originally described as Permian, but see Bicknell *et al*. (2002*b*)

† ***Vaderlimulus* Lerner, Lucas & Lockley, 2017** ..... **Triassic**

77. *Vaderlimulus tricki* Lerner, Lucas & Lockley, 2017* ..... Tr Idaho, USA

LIMULIDAE Leach, 1819 ..... **Carbon. – Recent**

see Novack-Gottshall & Plotnick (2021) for a discussion of the name's correct authorship

= † MESOLIMULIDAE (Størmer, 1952) [in part; see Reik & Gill (1971)]

= † HETEROLIMULIDAE Vía Boada & De Villalta, 1966

?Limulidae gen. et sp. indet. *in* Hauschke *et al*. (1992) ..... Tr Rüdersdorf, Germany

† ***Albalimulus*** **Bicknell & Pates, 2019** ..... **Permian/Triassic**

tentative referral to the family

78. *Albalimulus bottoni* Bicknell & Pates, 2019* ..... C Berwickshire

† ***Allolimulus*** **Lamsdell, 2020*a*** ..... **Jurassic**

79. *Allolimulus woodwardi* (Watson, 1909) ..... J Northamptonshire

† ***Casterolimulus*** **Holland, Erickson & O'Brien, 1975** ..... **Cretaceous**

80. *Casterolimulus kletti* Holland, Erickson & O'Brien, 1975* ..... K North Dakota

† ***Guangyuanolimulus*** **Hu *et al.*, 2022** ..... **Permian/Triassic**

81. *Guangyuanolimulus shangsiensis* Hu *et al.*, 2022* ..... P/Tr South China

† ***Heterolimulus*** **Via Boada & Villalta, 1966** ..... **Triassic**

82. *Heterolimulus gadeai* Via Boada & Villalta, 1966* ..... Tr Tarragona, Spain

† ***Keuperlimulus*** **Lamsdell, 2020*a*** ..... **Triassic**

83. *Keuperlimulus vicensis* Bleicher, 1897* ..... Tr Lorraine

† ***Limulitella*** **Størmer, 1952** ..... **Triassic – Jurassic**

debate in the literature about whether this genus is an austrolimulid (e.g. Lamsdell 2020*a*) or a true limulid

= † *Limulites* Schimper, 1853 [preoccupied]

84. *Limulitella bronnii* (Schimper, 1853)* ..... Tr Grés á Voltzia

i. = *Limulus sandbergeri* Kirchner, 1923 ..... Tr Germany

85. *Limulitella henkeli* Fritsch, 1906 ..... Tr Halle, Germany

86. ?*Limulitella liasokeuperensis* (Braun, 1860) ..... J Germany

87. *Limulitella tejraensis* Błażejowski, Niedźwiedzki, Boukhalfa & Soussi, 2017 ..... Tr Tejra, Tunisia

88. ?*Limulitella volgensis* Ponomarenko, 1985 ..... Tr Moscow

?*Limulitella* sp. *in* Hauschke & Wilde (2008) ..... Tr Dallau, Germany

?*Limulitella* sp. *in* Hauschke *et al*. (2009) ..... Tr Winterswijk

Limulitella sp. *in* Zuber *et al*. (2017) ..... Tr Winterswijk

Limulitella or *Psammolimulus* sp. *in* Križnar & Hitij (2010) ..... Tr Slovenia

† ***Mesolimulus*** **Størmer, 1952** ..... **Triassic – Cretaceous**

89. *Mesolimulus crespelli* Via Boada, 1987 ..... Tr Tarragona, Spain

90. *Mesolimulus sibiricus* Ponomarenko, 1985 ..... J Siberia

91. *Mesolimulus tafraoutensis* Lamsdell, Tashman, Pasini & Garassino, 2020*a* ..... J Gara Sbaa, Morocco

92. *Mesolimulus walchi* (Desmarest, 1822)* ..... J Solnhofen, etc.

i. = *Limulus brevicauda* Münster *in* v. d. Hoeven, 1838 .... J Solnhofen

ii. = *Limulus brevispina* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

iii. = *Limulus intermedius* Münster *in* v. d. Hoeven, 1838 ... J Solnhofen

iv. = *Limulus ornatus* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

v. = *Limulus sulcatus* Münster *in* v. d. Hoeven, 1838 ..... J Solnhofen

vi. = *Limulus giganteus* Münster, 1840 ..... J Solnhofen

NB: not entirely clearly that all these names have been formally synonymised

Mesolimulus sp. *in* Ross & Vannier (2002) ..... J southern England

† ***Ostenolimulus*** **Lamsdell, Teruzzi, Pasini & Garassino, 2021** ..... **Jurassic**

93. *Ostenolimulus latus* Lamsdell, Teruzzi, Pasini & Garassino, 2021* ..... J Osteno, Italy

† ***Sloveniolimulus* Bicknell, Žalohar, Miklava, Celarc, Križnar & Hitij, 2019** ..... **Triassic**

a *nomen dubium* in Lamsdell (2020*a*); but see Bicknell *et al*. (2021*b, c*)

94. *Sloveniolimulus rudkini* Bicknell, Žalohar, Miklava, Celarc, Križnar & Hitij, 2019*..... Tr Slovenian Alps

† ***Tarracolimulus* Romero & Via Boada, 1977** ..... **Triassic**

95. *Tarracolimulus rieki* Romero & Via Boada, 1977* ..... Tr Tarragona, Spain

† ***Victalimulus* Riek & Gill, 1971** ..... **Cretaceous**

96. *Victalimulus mcqueeni* Riek & Gill, 1971* ..... K Koonwarra

† ***Volanalimulus* Lamsdell, 2020*a*** ..... **Triassic**

97. *Volanalimulus madagascarensis* Lamsdell, 2020*a** ..... Tr Madagascar

† ***Yunnanolimulus* Zhang, Hu, Zhou, Iv & Bai, 2009** ..... **Triassic**

98. *Yunnanolimulus luopingensis* Zhang, Hu, Zhou, Iv & Bai, 2009* ..... Tr Luoping, China

LIMULINAE Leach, 1819 ..... **Jurassic – Recent**

† ***Crenatolimulus* Feldmann, Schweitzer, Dattilo & Farlow, 2011** ..... **Jurassic – Cretaceous**

99. *Crenatolimulus darwini* (Kin & Błażejowski, 2014) ..... J Kcynia, Poland

100. *Crenatolimulus paluxyenis* Feldmann, Schweitzer, Dattilo & Farlow, 2011*..... K Texas

Crenatolimulus "sp. nov." *in* Błażejowski, *et al*. (2015) ..... J Owadów- Brzezinki

***Limulus* Müller, 1785** ..... **Triassic – Recent**

101. *Limulus coffini* Reeside & Harris, 1952 ..... K Colorado

TACHYPLEINAE Pocock, 1902 ..... **Cretaceous – Recent**

***Tachypleus* Leach, 1819** ..... **Cretaceous – Recent**

= † *Heterolimulus* Via Boada & Villalta, 1966

102. *Tachypleus decheni* (Zinken, 1862) ..... Pa Teuchern, Germany

Hauschke & Wilde (2004) considered this intermediate between *Limulus* and *Tachypleus*

103. *Tachypleus syriacus* (Woodward, 1879) ..... K Lebanon

LIMULIDAE *INCERTAE SEDIS*

104. *Limulus priscus* Münster, 1839 ..... Tr Rottweil, Germany

XIPHOSURA *INCERTAE SEDIS*

† ***Belinuropsis* Matthew 1910** ..... **Carboniferous**

105. *Belinuropsis wigudensis* Matthew, 1910 ..... C Coal Measures

NOMEN DUBIUM

1. *Limulus nathorsti* Jackson, 1906 ..... J southern Sweden

Bicknell *et al*. (2021*c*) considered this species ?Chelicerata *incertae sedis*

NOMINA NUDA

1. *Euproops rotunda major* (Woodward, 1907) ……C Sparth Bottoms
2. *Veltheimia bicorns* Beyschlag & von Fritsch, 1899 ……C? Rotliegend

MISIDENTIFICATIONS

1. *Archaeolimulus hanusi* Chlupáč, 1963 [bradoriid arthropod] …… O Bohemia
2. *Belinurus carterae* Eller, 1940 [synonym of *P. eriensis*; see below]
3. *Bifarius comptae* Tasch, 1961 [insect] …… P Kansas
4. *Drabovaspis complexa* Chlupáč, 1963 [bradoriid arthropod] …… O Bohemia
5. *Elmocephalus carltonensis* (Tasch, 1963) [crustacean?] …… P Kansas
6. *Elleria morani* (Eller, 1938*b*) [trilobite?] …… D Pennsylvania
7. *Eolimulus alatus* Moberg, 1892 [doubtful xiphosuran] …… € Öland, Sweden
8. *Hemiaspis tunnecliffei* Chapman, 1932 [trilobite] …… S Victoria, Australia
9. *Hypatocephala rugosa* Tasch, 1961 [insect] …… P Kansas
10. *Lemoneites ambiguus* Flower, 1969 [echinoderm] …… O Texas
11. *Lemoneites gomphocaudatus* Flower, 1969 [echinoderm] …… O Texas
12. *Lemoneites mirabilis* Flower, 1969 [echinoderm] …… O Texas
13. *Lemoneites simplex* Flower, 1969 [echinoderm] …… O Texas
14. *Pincombella belmontensis* Chapman, 1932 [insect: Hemiptera] …… P New South Wales
15. *Permolimulinella raris* Tasch, 1963 [insect] …… P Kansas
16. *Protolimulus eriensis* [Xiphosuran trace fossil: see *Selenichnites*]
17. *Rutroclypeus junori* Withers, 1933 [Echinodermata: carpoid] …… D Victoria, Australia
18. *Strongylocephalus charactis* Tasch, 1961 [insect] …… P Kansas

4 Recent species

CHASMATASPIDIDA

13 currently valid species of fossil chasmataspidid

- doubts have been expressed about the monophyly of Chasmataspidida
- there are late Cambrian resting traces of a *Chasmataspis*-like animal

† **CHASMATASPIDIDA Caster & Brooks, 1956** ..... **?Camb. – Devonian**

= † DIPLOASPIDIDA Simonetta & Delle Cave, 1978

CHASMATASPIDIDA *incertae sedis*

† ***Kiaeria* Størmer, 1934*b*** ..... **Silurian**

transferred from Xiphosura by Lamsdell (2020*b*); there is a family Kiaeriidae which could potentially become a senior synonym of Chasmataspididae

1. *Kiaeria limuloides* Størmer, 1934*b** ..... S Ringerike

† **CHASMATASPIDIDAE Caster & Brooks, 1956** ..... **?Camb. – Ordovician**

† ***Chasmataspis* Caster & Brooks, 1956** ..... **?Camb. – Ordovician**

2. *Chasmataspis laurencii* Caster & Brooks, 1956* ..... O Tennessee

   ?*Chasmataspis* sp. resting traces *in* Dunlop *et al*. (2004) ..... Є Texas

† **DIPLOASPIDIDAE Størmer, 1972** ..... **Ordovician – Devonian**

= † HETEROASPIDIDAE Størmer, 1972

† ***Achanarraspis* Anderson, Dunlop & Trewin, 2000** ..... **Devonian**

3. *Achanarraspis reedi* Anderson, Dunlop & Trewin, 2000* ..... D Achanarras, Scotland

† ***Diploaspis* Størmer, 1972** ..... **Devonian**

4. *Diploaspis casteri* Størmer, 1972* ..... D Alken an der Mosel
5. *Diploaspis muelleri* Poschmann, Anderson & Dunlop, 2005 ..... D Hombach, Germany

† ***Dvulikiaspis* Marshall, Lamsdell, Shpinev & Braddy, 2014** ..... **Devonian**

6. *Dvulikiaspis menneri* (Novojilov, 1959)* ..... D Siberia

† ***Forfarella* Dunlop, Anderson & Braddy, 1999** ..... **Devonian**

7. *Forfarella mitchelli* Dunlop, Anderson & Braddy, 1999* ..... D Arbroath, Scotland

† ***Heteroaspis* Størmer, 1972** ..... **Devonian**

8. *Heteroaspis stoermeri* (Novojilov, 1959)* ..... D Siberia; Alken
   i. = *Heteroaspis novojilovi* Størmer, 1972 ..... D Alken an der Mosel

† ***Hoplitaspis* Lamsdell, Gunderson & Meyer, 2019** ..... **Ordovician**

9. *Hoplitaspis hiawathai* Lamsdell, Gunderson & Meyer, 2019* ..... O Big Hill, Michigan

† ***Loganamaraspis* Tetlie & Braddy, 2004*a*** ..... **Silurian**

10. *Loganamaraspis dunlopi* Tetlie & Braddy, 2004*a** ..... S Lesmahagow

† ***Nahlyostaspis* Marshall, Lamsdell, Shpinev & Braddy, 2014** ..... **Devonian**

11. *Nahlyostaspis bergstroemi* Marshall, Lamsdell, Shpinev & Braddy, 2014* ..... D Siberia

† ***Octoberaspis*** **Dunlop, 2002** ..... **Devonian**

12. *Octoberaspis ushakovi* Dunlop, 2002* ..... D October Rev. Is

† ***Skrytyaspis*** **Marshall, Lamsdell, Shpinev & Braddy, 2014** ..... **Devonian**

13. *Skrytyaspis andersoni* Marshall, Lamsdell, Shpinev & Braddy, 2014* .... D Siberia

no Recent species

EURYPTERIDA

253 currently valid species of fossil sea scorpion

- Tollerton (1989) suggested removing Hibbertopteroidea from Euryperida *s.s.*, but this has not been adopted by subsequent workers and they are treated here as derived stylonurid eurypterids

† **EURYPTERIDA Burmeister, 1843** ..... **Ordovician – Permian**

= † GIGANTOSTRACA Haeckel, 1866

= † CYRTOCTENIDA Størmer & Waterston, 1968

† **STYLONURINA Diener, 1924** ..... **Ordovician – Permian**

= † WOODWARDOPTERINA Kjellesvig-Waering, 1959

= † HIBBERTOPTERINA Størmer, 1974

† **RHENOPTEROIDEA Størmer, 1951** ..... **Ordovician – Devonian**

= † BRACHYOPTERELLOIDEA Tollerton, 1989

† **RHENOPTERIDAE Størmer, 1951** ..... **Ordovician – Devonian**

= † BRACHYOPTERELLIDAE Tollerton, 1989

† ***Brachyopterella* Kjellesvig-Waering, 1966*a*** ..... **Silurian**

1. *Brachyopterella pentagonalis* (Størmer, 1934*b*)* ..... S Ringerike, Norway
2. *Brachyopterella ritchiei* Waterston, 1979 ..... S Slot Burn, Scotland

† ***Brachyopterus* Størmer, 1951** ..... **Ordovician**

3. *Brachyopterus stubblefieldi* Størmer, 1951* ..... O Montgomeryshire

† ***Kiaeropterus* Waterston, 1979** ..... **Silurian**

4. *Kiaeropterus cyclophthalmus* (Laurie, 1892) ..... S Pentland Hills, Scotl.
5. *Kiaeropterus ruedemanni* (Størmer, 1934*b*)* ..... S Ringerike, Norway

† ***Leiopterella* Lamsdell, Braddy, Loeffler & Dineley, 2010** ..... **Devonian**

6. *Leiopterella tetliei* Lamsdell, Braddy, Loeffler & Dineley, 2010 ..... D Nunavut, Canada

† ***Rhenopterus* Størmer, 1936*a*** ..... **Devonian**

7. *Rhenopterus diensti* Størmer, 1936*a** ..... D Willwerath, Germ.
   i. = *Rhenopterus latus* Størmer, 1936*a* ..... D Willwerath, Germ.
8. *Rhenopterus macrotuberculatus* Størmer, 1974 ..... D Alken an der Mosel
9. *Rhenopterus tuberculatus* Størmer, 1936*a* ..... D Overath, Germ.

† **STYLONUROIDEA Kjellesvig-Waering, 1959** ..... **Silurian – Devonian**

† **PARASTYLONURIDAE Waterston, 1979** ..... **Siliurian – Devonian**

† ***Parastylonurus* Kjellesvig-Waering, 1966*a*** ..... **Silurian**

10. *Parastylonurus hendersoni* Waterston, 1979 ..... S Pentland Hills, Scotl.
11. *Parastylonurus ornatus* (Laurie, 1892)* ..... S Scotland
12. ?*Parastylonurus sigmoidalis* Kjellesvig-Waering, 1971 ..... S Shropshire, UK

† ***Stylonurella* Kjellesvig-Waering, 1966*a*** ..... **Silurian – Devonian**

13. *Stylonurella ?arnoldi* (Ehlers, 1935) ..... D Pennsylvania, USA

14. *Stylonurella* ?*beecheri* (Hall, 1884*c*) ..... D Pennsylvania, USA
15. *Stylonurella spinipes* (Page, 1859)* ..... S Kip Burn, Scotland
    i. = *Stylonurus logani* Woodward, 1872 ..... S Kip Burn, Scotland

† **STYLONURIDAE Diener, 1924** ..... **Silurian–Devonian**
= † LAURIEIPTERIDAE Kjellesvig-Waering, 1966*a*
= † PAGEIDAE Kjellesvig-Waering, 1966*a*

† ***Ctenopterus* Clarke & Ruedemann, 1912** ..... **Silurian**
16. *Ctenopterus cestrotus* (Clarke, 1907)* ..... S Otisville, New York

† ***Laurieipterus* Kjellesvig-Waering, 1966*a*** ..... **Silurian**
17. *Laurieipterus elegans* (Laurie, 1899)* ..... S Pentland Hills, Scotl.

† ***Pagea* Waterston, 1962** ..... **Devonian**
18. *Pagea plotnicki* Lamsdell, Braddy, Loeffler & Dineley, 2010 ..... D Nunavut, Canada
19. *Pagea sturrocki* Waterston, 1962* ..... D Old Red Sandstone
20. *Pagea symondsii* (Salter, 1859) ..... D Old Red Sandstone

† ***Stylonurus* Page, 1856** ..... **Devonian**
21. *Stylonurus powriensis* Page, 1856* ..... D Mid. Valley Scotland
    i. = *Stylonurus ensiformis* Woodward, 1864 ..... D Mid. Valley Scotland
22. ?*Stylonurus shaffneri* Willard, 1933 ..... D Pennsylvania

† **KOKOMOPTEROIDEA Kjellesvig-Waering, 1966*a*** ..... **Silurian**

† **KOKOMOPTERIDAE Kjellesvig-Waering, 1966*a*** ..... **Silurian**

† ***Kokomopterus* Kjellesvig-Waering, 1966*a*** ..... **Silurian**
23. *Kokomopterus longicaudatus* (Clarke & Ruedemann, 1912)* ..... S Kokomo, Indiana

† ***Lamontopterus* Waterston, 1979** ..... **Silurian**
24. *Lamontopterus knoxae* (Lamont, 1955)* ..... S Pentland Hills, Scotl.

† **HARDIEOPTERIDAE Tollerton, 1989** ..... **Silurian – Devonian**

† ***Hallipterus* Kjellesvig-Waering, 1963*a*** ..... **Devonian**
25. *Hallipterus excelsior* (Hall, 1884*a*)* ..... D New York
    i. = *Dolichocephala lacoana* Claypole, 1883 ..... D Pennsylvania

† ***Hardieopterus* Waterston, 1979** ..... **Silurian**
26. ?*Hardieopterus lanarkensis* Waterston, 1979 ..... S Patrick Burn, Scotl.
27. *Hardieopterus macrophthalmus* (Laurie, 1892)* ..... S Pentland Hills, Scotl.
28. *Hardieopterus megalops* (Salter, 1859) ..... S Herefordshire, Engl.
29. *Hardieopterus myops* (Clarke, 1907) ..... S eastern USA

† ***Tarsopterella* Størmer, 1951** ..... **Devonian**
30. *Tarsopterella scotica* (Woodward, 1872)* ..... D Mid. Valley Scotland
    i. = *?Erieopterus brewsteri* Woodward, 1864 ..... D Mid. Valley Scotland
    ii. = *Stylonurus armatus* Page, 1867 ..... D Mid. Valley Scotland

† **MYCTEROPOIDEA Cope, 1886** ..... **Silurian – Permian**

= † HIBBERTOPTEROIDEA Kjellesvig-Waering, 1959

† **DREPANOPTERIDAE Kjellesvig-Waering, 1966*a*** ..... **Silurian – Devonian**

† ***Drepanopterus*** **Laurie, 1892** ..... **Silurian – Devonian**

31. *Drepanopterus abonensis* Simpson, 1951 ..... D Portishead, England
32. *Drepanopterus odontospathus* Lamsdell, 2012..... D Arctic Canada
33. *Drepanopterus pentlandicus* Laurie, 1892* ..... S Pentland Hills, Scotl.

† **HIBBERTOPTERIDAE Kjellesvig-Waering, 1959** ..... **Devonain – Permian**

= † CYRTOCTENIDAE Waterston, Oelofsen & Oosthuizen, 1985

† ***Campylocephalus*** **Eichwald, 1860** ..... **Carboniferous – Perm.**

34. *Campylocephalus oculatus* (Kutorga, 1838)* ..... P Dourasovo, Russia
35. *Campylocephalus permianus* (Ponomarenko, 1985)..... P Komi, Russia
36. ?*Campylocephalus salmi* Stur, 1877 ..... C Ostrava, Czech Rep.

† ***Cyrtoctenus*** **Størmer & Waterston, 1968** ..... **Devonian – Carbon.**

37. *Cyrtoctenus caledonicus* (Salter, 1863) ..... C East Lothian, Scotl.
38. *Cyrtoctenus dewalquei* (Fraipont, 1889) ..... D Pont-de-Bonne, Belg.
    i. = *Eurypterus dewalquei* var. *longimanus* Fraipont, 1889 ..... D Pont-de-Bonne, Belg.
39. *Cyrtoctenus dicki* (Peach, 1883) ..... C Thurso, Scotland
40. *Cyrtoctenus ostraviensis* (Augusta & Přibyl, 1951) ..... C Ostrava, Czech Rep.
41. *Cyrtoctenus peachi* Størmer & Waterston, 1968* ..... C Berwickshire, Scotl.
42. *Cyrtoctenus wittebergensis* Waterston, Oelofsen & Oosthuizen, 1985 ... C Cape Province

† ***Dunsopterus*** **Waterston, 1968** ..... **Carboniferous**

43. *Dunsopterus stevensoni* (Etheridge Jr, 1877)* ..... C Berwickshire, Scotl.

† ***Hastimima*** **White, 1908** ..... **Permian**

44. *Hastimima whitei* White, 1908* ..... P Brazil

† ***Hibbertopterus*** **Kjellesvig-Waering, 1959** ..... **Carboniferous – Perm.**

45. ?*Hibbertopterus hibernicus* (Baily, 1872) ..... C Kiltorcan, Ireland
46. *Hibbertopterus scouleri* (Hibbert, 1836)*..... C West Lothian, Scotl.

† ***Vernonopterus*** **Waterston, 1957** ..... **Carboniferous**

47. *Vernonopterus minutisculptus* (Peach, 1907)* ..... C Lanarkshire, Scotland

† **MYCTEROPIDAE Cope, 1886** ..... **Carboniferous – Perm.**

= † WOODWARDOPTERIDAE Kjellesvig-Waering, 1959

† ***Megarachne*** **Hünicken, 1980** ..... **Carboniferous – Perm.**

48. *Megarachne servinei* Hünicken, 1980* ..... C–P Santa Rosa, Arge.
    originally misidentified as a giant spider

† ***Mycterops*** **Cope, 1886** ..... **Carboniferous**

49. ?*Mycterops blairi* Waterston, 1968 ..... C Loanhead, Scotland
50. *Mycterops matthieui* Pruvost, 1924 ..... C Charleroi, Belgium
51. *Mycterops ordinatus* Cope, 1886*..... C Channelton, PA
52. ?*Mycterops whitei* Schram, 1984 ..... C Crescent, Iowa

could be a crustacean; see comments in Lamsdell (2020*b*)

† ***Woodwardopterus*** **Kjellesvig-Waering, 1959** ..... **Carboniferous**

53. *Woodwardopterus scabrosus* (Woodward, 1887)* ..... C Glencartholm, Scotl.

STYLONURINA *incertae sedis*

† ***Stylonuroides*** **Kjellesvig-Waering, 1966*a*** ..... **Silurian – Devonian**

54. *Stylonuroides dolichopteroides* (Størmer, 1934*b*)* ..... S Ringerike, Norway

55. *Stylonuroides orientalis* Shpinev, 2012 ..... D Lake Shunet, Siberia

† **EURYPTERINA Burmeister, 1843** ..... **Ordovician – Permian**

† **ONYCHOPTERELLOIDEA Lamsdell, 2011** ..... **Ordovician–Silurian**

† **ONYCHOPTERELLIDAE Lamsdell, 2011** ..... **Ordovician–Silurian**

= † ALKENOPTERIDAE Poschmann & Tetlie, 2004

priority of the family names needs to be clarified

† ***Alkenopterus*** **Størmer, 1974** ..... **Devonian**

56. *Alkenopterus brevitelson* Størmer, 1974* ..... D Alken an der Mosel

57. *Alkenopterus burglahrensis* Poschmann & Tetlie, 2004 ..... D Westerwald, Germ.

† ***Onychopterella*** **Størmer, 1951** ..... **Ordovician–Silurian**

58. *Onychopterella augusti* Braddy, Aldridge & Theron, 1995 ..... O Soom Shale, S. Afr.

59. *Onychopterella kokomoensis* (Miller & Gurley, 1896)* ..... S Kokomo, Indiana

i. = *Eurypterus ranilarva* Clarke & Ruedemann, 1912 ..... S Kokomo, Indiana

60. ?*Onychopterella pumilus* (Savage, 1916) ..... S Essex, Illinois

† ***Tylopterella*** **Størmer, 1951** ..... **Silurian**

61. *Tylopterella boylei* (Whiteaves, 1884) ..... S Ontario, Canada

† **MOSELOPTEROIDEA Lamsdell, Braddy & Tetlie, 2010** ..... **Silurian – Devonian**

† **MOSELOPTERIDAE Lamsdell, Braddy & Tetlie, 2010** ..... **Devonian**

† ***Moselopterus*** **Størmer, 1974** ..... **Devonian**

62. *Moselopterus ancylotelson* Størmer, 1974* ..... D Alken an der Mosel

63. *Moselopterus elongatus* Størmer, 1974 ..... D Alken an der Mosel

64. *Moselopterus lancmani* (Delle, 1937) ..... D Plavinas, Latvia

† ***Stoermeropterus*** **Lamsdell, 2011** ..... **Silurian**

65. *Stoermeropterus conicus* (Laurie, 1892)* ..... S Pentland Hills

i. = *Drepanopterus bembycoides* Laurie, 1899 ..... S Pentland Hills

ii. = *Drepanopterus lobatus* Laurie, 1899 ..... S Pentland Hills

66. *Stoermeropterus latus* (Størmer, 1934*b*) ..... S Ringerike, Norway

67. *Stoermeropterus nodosus* (Kjellesvig-Waering & Leutze, 1966) ..... S Bass, West Virginia

† ***Vinetopterus*** **Poschmann & Tetlie, 2004** ..... **Devonian**

68. *Vinetopterus martini* Poschmann & Tetlie, 2004 ..... D Westerwald, Germ.

69. *Vinetopterus struvei* (Størmer, 1974)* ..... D Alken an der Mosel

† **MEGALOGRAPTOIDEA Caster & Kjellesvig-Waering, 1955** ..... **Ordovician**

† **MEGALOGRAPTIDAE Caster & Kjellesvig-Waering, 1955** ..... **Ordovician**

† ***Echinognathus*** **Walcott, 1882** ..... **Ordovician**

70. *Echinognathus clevelandi* Walcott, 1882* ..... O New York

† ***Megalograptus*** **Miller, 1874** ..... **Ordovician**

71. *Megalograptus alveolatus* (Shuler, 1915) ..... O Virginia
72. *Megalograptus ohioensis* Caster & Kjellesvig-Waering, 1955 ..... O Ohio
73. *Megalograptus shideleri* Caster & Kjellesvig-Waering, 1964 ..... O Ohio
74. *Megalograptus welchi* Miller, 1874* ..... O Ohio
75. *Megalograptus williamsae* Caster & Kjellesvig-Waering, 1964 ..... O Ohio

† **'EURYPTEROIDEA' Burmeister, 1843** ..... **Ordovician – Devonian**

Lamsdell *et al*. (2013) questioned the monophyly of this superfamily

FAMILY UNCERTAIN

† ***Pentlandopterus*** **Lamsdell, Hoşgör & Selden, 2013** ..... **Ordovician**

76. *Pentlandopterus minor* (Laurie, 1899)* ..... S Pentland Hills, Scotl.

† ***Paraeurypterus*** **Lamsdell, Hoşgör & Selden, 2013** ..... **Ordovician**

77. *Paraeurypterus anatoliensis* Lamsdell, Hoşgör & Selden, 2013*..... O Şort Tepe, Turkey

† **DOLICHOPTERIDAE Kjellesvig-Waering & Størmer, 1952** ..... **Silurian – Devonian**

† ***Clarkeipterus*** **Kjellesvig-Waering, 1966 [a/b?]** ..... **Silurian**

78. *Clarkeipterus* ?*otisius* (Clarke, 1907) ..... S eastern USA
79. *Clarkeipterus testudineus* (Clarke & Ruedeman, 1912)* ..... S New York

† ***Dolichopterus*** **Hall, 1859** ..... **Silurian**

80. *Dolichopterus gotlandicus* Kjellesvig-Waering, 1979..... S Gotland, Sweden
81. *Dolichopterus jewetti* Caster & Kjellesvig-Waering, 1956 ..... S New York
82. *Dolichopterus macrocheirus* Hall, 1859*..... S New York / Canada
83. *Dolichopterus siluriceps* Clarke & Ruedemann, 1912..... S New York / Canada

† ***Ruedemannipterus*** **Kjellesvig-Waering, 1966** ..... **Silurian**

84. *Ruedemannipterus stylonuroides* (Clarke & Ruedemann, 1912)*..... S Otisville, New York

† **EURYPTERIDAE Burmeister, 1843** ..... **Silurian**

† ***Eurypterus*** **de Kay, 1825** ..... **Silurian**

= † *Baltoeurypterus* Størmer, 1973

85. ?*Eurypterus cephalaspis* Salter, 1856 ..... S Herefordshire, Engl.
86. *Eurypterus dekayi* Hall, 1859 ..... S New York / Ontario
87. *Eurypterus flintstonensis* Swartz, 1923 ..... S eastern USA
88. *Eurypterus hankeni* Tetlie, 2006*a* ..... S Ringerike, Norway
89. *Eurypterus henningsmoeni* (Tetlie, 2002)..... S Bærum, Norway
90. *Eurypterus laculatus* Kjellesvig-Waering, 1958 ..... S New York / Ontario
91. *Eurypterus lacustris* Harlan, 1834 ..... S New York / Ontario
    i. = *Eurypterus pachycheirus* Hall, 1859 ..... S New York / Ontario
    ii. = *Eurypterus robustus* Hall, 1859 ..... S New York / Ontario

92. *Eurypterus leopoldi* Tetlie, 2006*a* ..... S Somerset Is., Canada
93. *Eurypterus megalops* Clarke & Ruedemann, 1912 ..... S New York
94. *Eurypterus ornatus* Leutze, 1958 ..... S Fayette, Ohio
95. *Eurypterus pittsfordensis* Sarle, 1903 ..... S Pittsford, New York
96. *Eurypterus quebecensis* Kjellesvig-Waering, 1958 ..... S Quebéc, Canada
97. *Eurypterus remipes* DeKay, 1825* ..... S New York / Ontario
    i. = *Carcinosoma trigona* (Ruedemann, 1916)..... S New York
98. *Eurypterus serratus* (Jones & Woodward, 1888) ..... S Gotland, Sweden
99. *Eurypterus tetragonophthalmus* Fischer, 1839 ..... S Saaremaa, Estonia
    i. = *Eurypterus fischeri* Eichwald, 1854 ..... S Estonia / Ukraine
    ii. = *Eurypterus fischeri* var. *rectangularis* Schmidt, 1883... S Saaremaa, Estonia

† **ERIEOPTERIDAE Tollerton, 1989** ..... **Silurian – Devonian**

† ***Erieopterus* Kjellesvig-Waering, 1958** ..... **Silurian – Devonian**

100. *Erieopterus eriensis* (Whitfield, 1882)..... S Ohio
101. *Erieopterus hypsophthalmus* Kjellesvig-Waering, 1958..... S Ohio
102. ?*Erieopterus laticeps* (Schmidt, 1883) ..... S Saaremaa, Ringerike
103. ?*Erieopterus limuloides* (Kjellesvig-Waering, 1948*a*) ..... S Kokomo, Indiana
104. *Erieopterus microphthalmus* (Hall, 1859)*..... D New York / Canada
105. ?*Erieopterus phillipsensis* Copeland, 1971..... S Cornwallis Is. Canada
106. *?Erieopterus statzi* Størmer, 1936*a* ..... D Siegburg, Germany
107. ?*Erieopterus turgidus* Stumm & Kjellesvig-Waering, 1962 ..... S Michigan

† **STROBILOPTERIDAE Lamsdell & Selden, 2013** ..... **Silurian – Devonian**

† ***Buffalopterus* Kjellesvig-Waering & Heubusch, 1962**..... **Silurian**

108. *Buffalopterus pustulosus* (Hall, 1859)*..... S New York / Ontario
    i. = *Eurypterus giganteus* Pohlman, 1882..... S New York / Ontario
    ii. = *Pterygotus globicaudatus* Pohlman, 1882..... S New York / Ontario

† ***Strobilopterus* Ruedemann, 1935** ..... **Silurian – Devonian**

    = † *Syntomopterus* Kjellesvig-Waering, 1961 [preoccupied]
    = † *Syntomopterella* Tetlie, 2007 [replacement name]

109. *Strobilopterus laticeps* (Schmidt, 1883) ..... S Saaremaa, Estonia
    i. = *Dolichopterus stoermeri* Caster & Kjellesvig-Waering, 1956 ..... S Saaremaa, Estonia
110. *Strobilopterus princetonii* (Ruedemann, 1934)* ..... D Wyoming, USA
    i. = *Erieopterus latus* Ruedemann, 1935 ..... D Wyoming, USA
111. *Strobilopterus proteus* Lamsdell & Selden, 2013 ..... D Wyoming, USA
112. *Strobilopterus richardsoni* (Kjellesvig-Waering, 1961*a**) ..... D Ohio

† **DIPLOPERCULATA Lamsdell, Hoşgör & Selden, 2013** ..... **Ordovician – Devonian**

† **CARCINOSOMATOIDEA Størmer, 1934*b*** ..... **Ordovician – Devonian**

    = † MIXOPTEROIDEA Caster & Kjellesvig-Waering, 1955

† **CARCINOSOMATIDAE Størmer, 1934*b*** ..... **Ordovician – Devonian**

† ***Carcinosoma*** **Claypole, 1890*b***..... **Silurian**

= † *Eurysoma* Claypole, 1890*a* [preoccupied]

113. ?*Carcinosoma harleyi* Kjellesvig-Waering, 1961*b* ..... S England

114. *Carcinosoma libertyi* Copeland & Bolton, 1960 ..... S Manitoulin I., Canada

115. *Carcinosoma newlini* (Claypole, 1890*a*)* ..... S Kokomo, Indiana

i. = *Carcinosoma ingens* Claypole, 1894 ..... S Kokomo, Indiana

116. ?*Carcinosoma punctatum* (Salter *in* Huxley & Salter, 1859) ..... S England

117. *Carcinosoma scorpioides* (Woodward, 1868)..... S Lesmahagow

i. = *Pterygotus raniceps* Woodward, 1868 ..... S Lesmahagow

118. *Carcinosoma scoticus* (Laurie, 1899)..... S Pentland Hills, Scotl.

119. ?*Carcinosoma spiniferum* Kjellesvig-Waering & Heubusch, 1962 ..... S Pittsford, New York

† ***Eocarcinosoma*** **Caster & Kjellesvig-Waering, 1964** ..... **Ordovician**

120. *Eocarcinosoma batrachophthalmus* Caster & Kjellesvig-Waering, 1964* ..... O Ohio

† ***Eusarcana*** **Strand, 1942**..... **Silurian – Devonian**

= † *Eusarcus* Grote & Pitt, 1875 [preoccupied]

= † *Paracarcinosoma* Caster & Kjellesvig-Waering, 1964

121. *Eusarcana acrocephalus* (Semper, 1898)..... S–D Barrandian area

122. *Eusarcana obesus* (Woodward, 1868)..... S Lesmahagow

123. *Eusarcana scorpionis* (Grote & Pitt, 1875)*..... S New York / Ontario

† ***Rhinocarcinosoma*** **Novojilov, 1962** ..... **Silurian**

124. *Rhinocarcinosoma cicerops* (Clarke, 1907) ..... S Otisville, New York

125. *Rhinocarcinosoma dosonensis* Braddy, Selden & Doan Nhat, 2002 ..... S Dô Son, Vietnam

126. *Rhinocarcinosoma vaningeni* (Clarke & Ruedemann, 1912)*..... S Clinton, New York

† **MIXOPTERIDAE Caster & Kjellesvig-Waering, 1955** ..... **Silurian**

= † LANARKOPTERIDAE Tollerton, 1989

† ***Lanarkopterus*** **Ritchie, 1968** ..... **Silurian**

127. *Lanarkopterus dolichoschelus* (Størmer, 1936*b*)*..... S Scotland

† ***Mixopterus*** **Ruedemann, 1921** ..... **Silurian**

128. *Mixopterus kiaeri* Størmer, 1934*b* ..... S Ringerike, Norway

129. *Mixopterus multispinosus* (Clarke & Ruedemann, 1912)*..... S New York

130. *Mixopterus simonsoni* Schmidt, 1883 ..... S Saaremaa, Estonia

† ***Terropterus*** **Wang, Dunlop, Gai, Lei, Jarzembowski & Wang, 2021** ..... **Silurian**

131. *Terropterus xiushanensis* Wang, Dunlop, Gai, Lei, Jarzembowski & Wang, 2021* ..... S Xiushan, China

† **'WAERINGOPTEROIDEA'**..... **Silurian – Devonian**

superfamily name appears to be derived from a thesis, a family Waeringopteridae has not been formally published

† ***Grossopterus*** **Størmer, 1934*c*** ..... **Devonian**

132. *Grossopterus overathi* (Gross, 1933)* ..... D Overath

133. *Grossopterus inexpectans* (Ruedemann, 1921) ..... D Gilboa

† ***Orcanopterus* Stott, Tetlie, Braddy, Nowlan, Glasser & Devereux, 2005** ..... **Ordovician**

134. *Orcanopterus manitoulinensis* Stott, Tetlie, Braddy, Nowlan, Glasser & Devereux, 2005* ..... O Manitoulin I., Canada

† ***Waeringopterus* Leutze, 1961** ..... **Silurian**

135. *Waeringopterus apfeli* Leutze, 1961 ..... S New York / Ontario

136. *Waeringopterus cumberlandicus* (Swartz, 1923)* ..... S West Virginia

i. = *Eurypterus swartzi* Kjellesvig-Waering, 1958 ..... S West Virginia

† **ADELOPHTHALMOIDEA Tollerton, 1989** ..... **Devonian – Permian**

† **ADELOPHTHALMIDAE Tollerton, 1989** ..... **Devonian – Permian**

† ***Adelopthalmus* Jordan *in* Jordan & von Mayer, 1854** ..... **Devonian – Permian**

= † *Lepidoderma* Reuss, 1855

= † *Anthraconectes* Meek & Worthen, 1868 [a/b?]

= † *Polyzosternites* Goldenberg, 1873

= † *Glyptoscorpius* Peach, 1882

137. *Adelophthalmus approximatus* (Hall & Clarke, 1888) ..... C Pennsylvania, USA

138. *Adelophthalmus asturica* (Melendez, 1971) ..... C d'Ablana, Spain

139. *Adelophthalmus bradorensis* (Bell, 1922) ..... C N. Campbelltown

140. *Adelophthalmus cambieri* (Pruvost, 1930) ..... C Charleroi, Belgium

141. ?*Adelophthalmus carbonarius* (Chernyshev, 1933) ..... C Donets, Ukraine

142. *Adelophthalmus chinensis* (Grabau, 1920) ..... C–P Zhaozezhuang

143. *Adelophthalmus corneti* (Pruvost, 1939) ..... C Quaregnon, Belgium

144. *Adelophthalmus douvillei* (de Lima, 1890) ..... P Bussaco, Portugal

145. *Adelophthalmus dumonti* (Stainier, 1917) ..... C Mechelen-sur-Meuse

146. *Adelophthalmus granosus* Jordan *in* Jordan & von Meyer, 1854* ..... C Saarbrücken, Germ.

147. *Adelophthalmus imhofi* (Reuss, 1855) ..... C Vlkys, Czech Rep.

148. *Adelophthalmus irinae* Shpinev, 2006 ..... C Krasnoyarsk, Russia

149. *Adelophthalmus kidstoni* (Peach, 1888) ..... C Radstock, England

150. *?Adelophthalmus lohesti* (Dewalque *in* Fraipont, 1889) ..... D Pont de Bonne, Belg.

151. *Adelophthalmus luceroensis* Kues & Kietzke, 1981 ..... P New Mexico

152. *Adelophthalmus mansfieldi* (Hall, 1877) ..... C Pennsylvania

i. = *Eurypterus stylus* Hall, 1884 ..... C Pennsylvania

153. *Adelophthalmus mazonensis* (Meek & Worthen, 1868) ..... C Illinois

154. *Adelophthalmus moyseyi* (Woodward, 1907*a*) ..... C Ilkeston, Blaengarw

i. = *Eurypterus derbiensis* Woodward, 1907*a* ..... C Ilkeston, England

155. *Adelophthalmus nebraskensis* (Barbour, 1914) ..... P Nebraska

156. *Adelophthalmus pennsylvanicus* (Hall, 1877) ..... C Pennsylvania

157. ?*Adelophthalmus perornatus* (Peach, 1882) ..... C Glencartholm, Scotl.

158. *Adelophthalmus pruvosti* Kjellesvig-Waering, 1948*b* ..... C Lens, France

159. *Adelophthalmus piussii* Lamsdell, Simonetto & Selden 2013 ..... C Carnic Alps, Italy

160. *Adelophthalmus pyrrhae* Lamsdell, McCoy, Perron-Feller & Hopkins, 2020*b* ..... C Montagne Noire
161. ?*Adelophthalmus raniceps* Goldenberg, 1873 ..... C Saarbrücken, Germ.
162. *Adelophthalmus sellardsi* (Dunbar, 1924) ..... P Elmo, Kansas
163. *Adelophthalmus sievertsi* (Størmer, 1969) ..... D Willwerath, Germ.
    i. = ?*Eurypterus trapezoides* Størmer, 1974 ..... D Nellenköpfchen, Ger.
164. *Adelophthalmus waterstoni* (Tetlie *et al*., 2004) ..... D Kimberley, Australia
165. *Adelophthalmus wilsoni* (Woodward, 1888) ..... C Radstock, England
166. *Adelophthalmus zadrai* Přibyl, 1952 ..... C Moravo-Silesia

† ***Bassipterus* Kjellesvig-Waering & Leutze, 1966** ..... **Silurian**

167. *Bassipterus virginicus* Kjellesvig-Waering & Leutze, 1966* ..... S Bass, West Virginia

† ***Eysyslopterus* Tetlie & Poschmann, 2008** ..... **Silurian**

168. *Eysyslopterus patteni* (Størmer, 1934*d*) ..... S Saaremaa, Estonia

† ***Nanahughmilleria* Kjellesvig-Waering, 1961*b*** ..... **Silurian – Devonian**

169. *Nanahughmilleria clarkei* Kjellesvig-Waering, 1964*b* ..... S Otisville, New York
170. *Nanahughmilleria norvegica* (Kiær, 1911)* ..... S Ringerike, Norway
    i. = *Eurypterus minutus* Kiær, 1911 ..... S Ringerike, Norway
171. *Nanahughmilleria notosiberica* Shpinev, 2012 ..... D Krasnoyarsk, Siberia
172. ?*Nanahughmilleria prominens* (Hall, 1884*b*) ..... S Cayuga, New York
173. *Nanahughmilleria pygmaea* (Salter, 1859) ..... S Herefordshire, Engl.
174. ?*Nanahughmilleria schiraensis* (Pirozhnikov, 1957) ..... D Khakassia, Russia

† ***Parahughmilleria* Kjellesvig-Waering, 1961*b*** ..... **Silurian – Devonian**

175. *Parahughmilleria bellistriata* (Kjellesvig-Waering, 1950*a*) ..... S West Virginia
176. *Parahughmilleria hefteri* Størmer, 1973 ..... D Rhenish Massif
177. *Parahughmilleria longa* Shpiney, 2012 ..... D Lake Shunet, Siberia
178. *Parahughmilleria maria* (Clarke, 1907) ..... S New York
179. *Parahughmilleria matarakensis* (Pirozhnikov, 1957) ..... D Khakassia, Russia
180. *Parahughmilleria salteri* Kjellesvig-Waering, 1961*b** ..... S Herefordshire, Engl.

† ***Pittsfordipterus* Kjellesvig-Waering & Leutze, 1966** ..... **Silurian**

181. *Pittsfordipterus phelpsae* (Ruedemann, 1921)* ..... S Pittsford, New York

† ***Pruemopterus* Poschmann, 2021** ..... **Devonian**

182. *Pruemopterus salgadoi* Poschmann, 2021* ..... D Wilwerath

† **PTERYGOTIOIDEA Clarke & Ruedemann, 1912** ..... **Silurian – Devonian**

† **HUGHMILLERIIDAE Kjellesvig-Waering, 1951** ..... **Silurian**

† ***Herefordopterus* Tetlie, 2006*b*** ..... **Silurian**

183. *Herefordopterus banksii* (Salter, 1856)* ..... S Herefordshire, Engl.
    i. = *Eurypterus acuminatus* Salter, 1859*a* ..... S Herefordshire, Engl.

† ***Hughmilleria* Sarle, 1903** ..... **Silurian**

184. *Hughmilleria shawangunk* Clarke, 1907 ..... S eastern USA
185. *Hughmilleria socialis* Sarle, 1903* ..... S Pittsford, New York

i. = *Hughmilleria robusta* Sarle, 1903 ..... S Pittsford, New York

186. *Hughmilleria wangi* Tetlie, Selden & Ren, 2007 ..... S Hunan, China

† **SLIMONIDAE Novojilov, 1968** ..... **Silurian**

† ***Salteropterus* Kjellesvig-Waering, 1951** ..... **Silurian**

187. *Salteropterus abbreviatus* (Salter, 1859)* ..... S Herefordshire, Engl.

† ***Slimonia* Page, 1856** ..... **Silurian**

188. *Slimonia acuminata* Salter, 1856* ..... S Lesmahagow

i. = *Himantopterus maximus* Salter, 1856 ..... S Lesmahagow

189. *Slimonia boliviana* Kjellesvig-Waering, 1973 ..... S Cochabamba, Bol.

190. *Slimonia dubia* Laurie, 1899 ..... S Pentland Hills, Scotl.

† **PTERYGOTIDAE Clarke & Ruedemann, 1912** ..... **Silurian – Devonian**

= † JAEKELOPTERIDAE Størmer, 1974

† ***Acutiramus* Ruedemann, 1935** ..... **Silurian – Devonian**

191. *Acutiramus bohemicus* (Barrande, 1872) ..... S Barrandian area

i. = *Pterygotus comes* Barrande, 1872 ..... S Barrandian area

ii. = *Pterygotus mediocris* Barrande, 1872 ..... S Barrandian area

iii. = *Pterygotus blahai* Semper, 1898 ..... S Barrandian area

iv. = *Pterygotus fissus* Seemann, 1906 ..... S Barrandian area

192. *Acutiramus cummingsi* (Grote & Pitt, 1875) ..... S USA / Canada

i. = *Pterygotus acuticaudatus* Pohlman, 1882 ..... S New York

ii. = *Pterygotus buffaloensis* Pohlman, 1881..... S New York

iii. = *Pterygotus quadraticaudatus* Pohlman, 1882 ..... S New York

193. *Acutiramus floweri* Kjellesvig-Waering & Caster, 1955 ..... S Kenwood, New York

194. *Acutiramus macrophthalmus* (Hall, 1859)*..... S USA / Canada

i. = *Pterygotus osborni* Hall, 1859 ..... S New York

ii. = *Pterygotus cobbi* var. *juvenis* Clarke & Ruedemann, 1912 ..... S New York

195. *Acutiramus perneri* Chlupáč, 1994 ..... D Barrandian area

196. *Acutiramus perryensis* Leutze, 1958 ..... S Ohio

197. *Acutiramus suwanneensis* Kjellesvig-Waering, 1955 ..... S? Florida

† ***Ciurcopterus* Tetlie & Briggs, 2009** ..... **Silurian**

198. *Ciurcopterus sarlei* (Ciurca & Tetlie, 2007) ..... S Pittsford, New York

199. *Ciurcopterus ventricosus* (Kjellesvig-Waering, 1948*a*)* ..... S Kokomo, Indiana

† ***Erettopterus* Salter *in* Huxley & Salter, 1859** ..... **Silurian – Devonian**

= † *Truncatiramus* Kjellesvig-Waering, 1961*b*

200. *Erettopterus bilobus* (Salter, 1856)* ..... S Lesmahagow

i. = *Eurypterus perornatus* Salter, 1856..... S Lesmahagow

ii. = *Pterygotus bilobus* var. *acidens* Woodward, 1878..... S Lesmahagow

iii. = *Pterygotus bilobus* var. *crassus* Woodward, 1878..... S Lesmahagow

iv. = *Pterygotus bilobus* var. *inornatus* Woodward, 1878... S Lesmahagow

v. = *Pterygotus bilobus* var. *perornatus* Woodward, 1878. S Lesmahagow

vi. = *Pterygotus perornatus* var. *plicatissimus* Salter *in* Huxley & Salter, 1859 ..... S Lesmahagow

201. *Erettopterus brodiei* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.

202. *Erettopterus canadensis* (Dawson, 1879) ..... S Ontario, Canada

203. *Erettopterus exophthalmus* Kjellesvig-Waering & Leutze, 1966 ..... S Bass, West Virginia

204. *Erettopterus gigas* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.

205. *Erettopterus globiceps* Clarke & Ruedemann, 1912 ..... S eastern USA

206. *Erettopterus grandis* Pohlman, 1881 ..... S New York

207. *Erettopterus holmi* (Størmer, 1934*b*) ..... S Ringerike, Norway

208. *Erettopterus laticauda* Schmidt, 1883 ..... S Saaremaa, Estonia

209. *Erettopterus marstoni* Kjellesvig-Waering, 1961*b* ..... S England

210. *Erettopterus megalodon* Kjellesvig-Waering, 1961*b* ..... S England

211. *Erettopterus osiliensis* Schmidt, 1883 ..... S Saaremaa, Estonia

212. *Erettopterus saetiger* Kjellesvig-Waering, 1964*a* ..... S Pennsylvania

213. *Erettopterus serratus* Kjellesvig-Waering, 1961*b* ..... D Ohio

214. *Erettopterus spatulatus* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.

215. ?*Erettopterus vogti* Størmer, 1934*a* ..... D Spitsbergen

216. *Erettopterus waylandsmithi* Kjellesvig-Waering & Caster, 1955 ..... S Kenwood, New York

† ***Jaekelopterus* Waterston, 1964** ..... **Devonian**

217. *Jaekelopterus howelli* Kjellesvig-Waering & Størmer, 1952 ..... D Wyoming

i. = *Pterygotus mcgrewi* Kjellesvig-Waering & Richardson *In* Kjellesvig-Waering (1986) [*nomen nudum*] ..... D Wyoming

218. *Jaekelopterus rhenaniae* (Jaekel, 1914)* ..... D Germany

† ***Necrogammarus* Woodward, 1870** ..... **Silurian**

219. *Necrogammarus salweyi* Woodward, 1870 ..... S Herefordshire, Engl.

† ***Pterygotus* Agassiz, 1839** ..... **Silurian – Devonian**

= † *Curviramus* Reudemann, 1935

220. *Pterygotus anglicus* Agassiz, 1844* ..... D Scotland, Canada

i. = *Pterygotus atlanticus* Clarke & Ruedemann, 1912 ..... D New Brunswick, Can.

ii. = *Pterygotus minor* Woodward, 1864 ..... D Scotland

221. *Pterygotus arcuatus* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.

222. ?*Pterygotus australis* McCoy, 1899 ..... S Melbourne, Australia

223. *Pterygotus barrandei* Semper, 1898 ..... S Barrandian area

i. = *Pterygotus beraunensis* Semper, 1898 ..... S Barrandian area

224. *Pterygotus bolivianus* Kjellesvig-Waering, 1964*a* ..... D Belen, Bolivia

225. *Pterygotus carmani* Kjellesvig-Waering, 1961 ..... D Ohio

226. *Pterygotus cobbi* Hall, 1859 ..... S New York / Canada

227. *Pterygotus denticulatus* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.

228. *Pterygotus floridanus* Kjellesvig-Waering, 1950*b* ..... D Florida

229. *Pterygotus gaspesiensis* Russell, 1953 ..... D Québec, Canada

230. ?*Pterygotus grandidentatus* Kjellesvig-Waering, 1961*b* ..... S England
231. *?Pterygotus impacatus* Kjellesvig-Waering, 1964*a* ..... S Saaremaa, Estonia
232. *Pterygotus kopaninensis* Barrande, 1872 ..... S Barrandian area, Cz.
233. *Pterygotus lanarkensis* Kjellesvig-Waering, 1964*a* ..... S Lesmahagow, Scotl.
234. *Pterygotus lightbodyi* Kjellesvig-Waering, 1961*b*..... S England
235. *Pterygotus ludensis* Salter *in* Huxley & Salter, 1859..... S Herefordshire, Engl.
236. *Pterygotus marylandicus* Kjellesvig-Waering, 1964*a* ..... S Maryland
237. *Pterygotus monroensis* Sarle 1902..... S New York

EURYPTERIDA *incertae sedis*

† ***Dorfopterus* Kjellesvig-Waering, 1955** ..... **Devonian**

238. *Dorfopterus angusticollis* Kjellesvig-Waering, 1955* ..... D Wyoming

† ***?Dolichopterus***

239. ?*Dolichopterus asperatus* Kjellesvig-Waering, 1961 [a/b?] ..... D Ohio
240. ?*Dolichopterus bulbosus* Kjellesvig-Waering, 1961*b* ..... S Herefordshire, Engl.
241. ?*Dolichopterus herkimerensis* Caster & Kjellesvig-Waering, 1956 ..... S New York / Canada

† ***?Eurypterus***

242. ?*Eurypterus loi* Chang, 1957 [non eurypterid?] ..... S Hubei, China
243. ?*Eurypterus podolicus* Chernyshev, 1947 ..... S Ukraine
244. ?*Eurypterus satpaevi* Simorin, 1956..... C Karaganda, Kazakh.
245. ?*Eurypterus styliformis* Chang, 1957 [non eurypterid?]..... S Hubei, China
246. ?*Eurypterus tschernyschevi* Simorin, 1956..... C Karaganda, Kazakh.
247. ?*Eurypterus yangi* Chang, 1957 [non eurypterid?] ..... S Hubei, China

† ***Holmipterus* Kjellesvig-Waering, 1979** ..... **Silurian**

248. *Holmipterus suecicus* Kjellesvig-Waering, 1979..... S Gotland, Sweden

† ***Marsupipterus* Caster & Kjellesvig-Waering, 1955** ..... **Silurian**

249. *Marsupipterus sculpturatus* Caster & Kjellesvig-Waering, 1955* ..... S Herefordshire, Engl.
could be a phyllocarid crustacean; see comments in Lamsdell (2020*b*)

† ***?Nanahughmilleria***

250. ?*Nanahughmilleria lanceolata* Salter, 1856..... S Lesmahagow
i. = *Eurypterus chartarius* Salter, 1859 ..... S Lesmahagow
ii. = *Eurypterus linearis* Salter, 1859 ..... S Lesmahagow

† ***?Salteropterus***

251. ?*Salteropterus longilabium* Kjellesvig-Waering, 1961*b*..... S Welsh Borderlands

† ***?Stylonurus***

252. ?*Stylonurus perspicillum* Størmer, 1969..... D Willwerath, Germany

† ***Unionopterus* Chernyshev, 1948** ..... **Carboniferous**

253. *Unionopterus anastasiae* Chernyshev, 1948* ..... C Kazakhstan

NOMINA DUBIA

1. *Bunodella horrida* Matthew, 1888 [*non* Xiphosura] ..... S New Brunswick
2. ?*Dunsopterus wrightianus* Dawson 1881 ..... D New York

3. *Eurypterella ornata* Matthew, 1888 ..... C 'Fern Ledges'
4. *Eurypterus potens* Hall, 1884 ..... C Pennsylvania
5. *Eurypterus pulicaris* Salter, 1863 ..... D New Brunswick
6. *Hastimima sewardi* Strand, 1926 ..... D South Africa
7. ?*Pterygotus formosus* Dawson, 1871 ..... D Gaspé, Canada
8. *Pterygotus nobilis* Barrande, 1872 ..... S Barrandian area
9. *Pterygotus siemiradzkii* Strand, 1926 ..... D Podolia, Ukraine
10. *Pterygotus taurinus* Salter, 1868 ..... S Ewyas Harold, Engl.
11. ?*Slimonia stylops* Salter *in* Huxley & Salter, 1859 ..... S Herefordshire, Engl.

NOMINA NUDA

1. *Baltoeurypterus latus* Hanken & Størmer, 1975 ..... S Ringerike, Norway

NOMINA VANA

1. *Pterygotus problematicus* Agassiz, 1844 ..... S United Kingdom

MISIDENTIFICATIONS

1. *Buffalopterus verrucosus* Kjellesvig-Waering & Heubusch, 1962 [crustacean] ... O New York
2. *Carcinosoma ?logani* (Williams, 1915) [crustacean] ..... S Ontario, Canada
3. *Eurypterus* (*Stylonurus*?) *maccarthyi* Kjellesvig-Waering, 1934 [cephalopod] .... D Ludlowville, New York
4. *Eurypterus pugio* Barrande, 1872 [crustacean] ..... S Barrandian area
5. *Eurypterus thomasi* Walter, 1924 [aglaspidid] ..... Є Wisconsin
6. *Kockurus grandis* Chlupáč, 1995 [?aglaspidid] ..... Є central Bohemia
7. *Kodymirus vagans* Chlupáč & Havlíček, 1965 [?aglaspidid] ..... Є central Bohemia
8. *Mazonipterus cyclophthalmus* Kjellesvig-Waering, 1963b [plant] ..... C Mazon Creek
9. *Melbournopterus crossotus* Caster & Kjellesvig-Waering, 1953 [brachiopod] ... S Melbourne, Australia
10. *Pterygotus expectatus* Barrande, 1872 [crustacean] ..... S Barrandian area
11. *Pterygotus* (*Curviramus*) *elleri* Ruedemann, 1935 [crustacean] ..... D New York
12. *Pterygotus* (*Curviramus*) *montanensis* Ruedemann, 1935 [crustacean] ..... D Montana
13. *Pterygotus* (*Leptocheles*) *leptodactylum* M'Coy, 1849 [crustacean] ..... S Herefordshire, Engl.

PSEUDOFOSSILS

1. *Brachyopterella magna* (Clarke & Ruedemann, 1912) ..... O New York
2. ?*Carcinosoma linguata* (Clarke & Ruedemann, 1912) ..... O New York
3. ?*Carcinosoma longiceps* (Clarke & Ruedemann, 1912) ..... O New York
4. *Dolichopterus antiquus* Ruedemann, 1942 ..... O New York
5. *Dolichopterus frankfortensis* (Clarke & Ruedemann, 1912) ..... O New York
6. *Dolichopterus insolitus* Ruedemann, 1926 ..... O New York
7. ?*Dolichopterus stellatus* (Clarke & Ruedemann, 1912) ..... O New York
8. ?*Drepanopterus ruedemanni* (O'Connell, 1916) ..... O New York
9. ?*Eocarcinosoma breviceps* (Ruedemann, 1926) ..... O New York
10. *Eocarcinosoma ruedemanni* (Flower, 1945) ..... O New York

11. *Eocarcinosoma triangulatus* (Clarke & Ruedemann, 1912) ..... O New York
12. *Erettopterus walcotti* (Ruedemann, 1926) ..... O New York
13. *Erieopterus chadwicki* (Clarke & Ruedemann, 1912) ..... O New York
14. *Erieopterus hudsonicus* (Ruedemann, 1934) ..... O New York
15. ?*Eurypterus decepiens* (Ruedemann, 1942) ..... O New York
16. *Eurypterus indicus* Dubey, 1985 ..... p€ M. Pradesh, India
17. ?*Eurypterus pristinus* (Clarke & Ruedemann, 1912) ..... O New York
18. *Eurypterus vermai* Dubey, 1985 ..... p€ M. Pradesh, India
19. *Hughmilleria chiplonkari* Dubey, 1985 ..... p€ M. Pradesh, India
20. *Hughmilleria kilfoylei* Ruedemann, 1934 ..... O New York
21. *Hughmilleria prisca* Ruedemann, 1934 ..... O New York
22. *Hughmilleria uticana* Ruedemann, 1926 ..... O New York
23. *Parastylonurus rusti* (Ruedemann, 1926) ..... O New York
24. *Pterygotus deepkillensis* Ruedemann, 1934 ..... O New York
25. *Pterygotus nasutus* Clarke & Ruedemann, 1912 ..... O New York
26. ?*Pterygotus normanskillensis* Clarke & Ruedemann, 1912 ..... O New York
27. *Ruedemannipterus breviceps* (Clarke & Ruedemann, 1912) ..... O New York
28. *Ruedemannipterus latifrons* (Clarke & Ruedemann, 1912) ..... O New York
29. *Stylonurella modestus* (Clarke & Ruedemann, 1912) ..... O New York
30. *Stylonuroides limbatus* (Clarke & Rudemann, 1912) ..... O New York
31. ?*Waeringopterus pristinus* (Ruedemann, 1942) ..... O New York
32. *Waeringopterus prolificus* (Clarke & Ruedemann, 1912) ..... O New York

no Recent species

SCORPIONES

154 currently valid species of fossil scorpion

- the scheme of Kjellesvig-Waering (1986) remains problematic, with many higher taxa whose status must be questioned; while efforts have begun to revise fossil scorpion systematics, parts of the Kjellesvig-Waering system remain in lieu of an alternative higher classification
- modern scorpion higher classification is also a source of controversy; the sequence of families adopted here largely follows Sharma *et al*. (2015), but the placement of several extinct families (mostly from amber) is tentative and has not been formally tested

SCORPIONES C. L. Koch, 1851 ..... Silurian – Recent

† Plesion (Family) PROSCORPIIDAE Scudder, 1885 ..... **Silurian – Carbon.**

= † ARCHAEOCTONIDAE Petrunkevitch, 1949

= † HYDROSCORPIONIDAE Kjellesvig-Waering, 1986

= † LABRIOSCORPIONIDAE Kjellesvig-Waering, 1986

= † STOERMEROSCORPIONIIDAE Kjellesvig-Waering, 1986

= † WAERINGOSCORPIONIDAE Størmer, 1970

† ***Archaeoctonus*** **Pocock, 1911** ..... **Carboniferous**

1. *Archaeoctonus glaber* (Peach, 1883)* ..... C Glencartholm

† *Hydroscorpius* Kjellesvig-Waering, 1986 ..... **Devonian**

2. *Hydroscorpius denisoni* Kjellesvig-Waering, 1986* ..... D Wyoming

† *Labriscorpio* Leary, 1980 ..... **Carboniferous**

3. *Labriscorpio alliedensis* Leary, 1980* ..... C Illinois

† *Proscorpius* Whitfield, 1885*b* ..... **Silurian**

= † *Archaeophonus* Kjellesvig-Waering, 1966*b*

= † *Stoermeroscorpio* Kjellesvig-Waering, 1986

4. *Proscorpius osborni* (Whitfield, 1885*a*)* ..... S 'Bertie Waterlime'

i. = *Archaeophonus eurypteroides* Kjellesvig-Waering, 1966*b** ..... S 'Bertie Waterlime'

ii. = *Stoermeroscorpio delicatus* Kjellesvig-Waering, 1986 S 'Bertie Waterlime'

† ***Pseudoarchaeoctonus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

5. *Pseudoarchaeoctonus denticulatus* Kjellesvig-Waering, 1986* ..... C Glencartholm

† *Waeringoscorpio* Størmer, 1970 ..... **Devonian**

6. *Waeringoscorpio hefteri* Størmer, 1970* ..... D Alken an der Mosel

7. *Waeringoscorpio westerwaldensis* Poschmann, Dunlop, Kamenz & Scholtz, 2008 ..... D Westerwald

† **BILOBOSTERNINA Kjellesvig-Waering, 1986 (suborder)** ..... **Silurian – Devonian**

† **BRANCHIOSCORPIONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian**

† **BRANCHIOSCORPIONIIDAE Kjellesvig-Waering, 1986** ..... **Devonian**

† ***Branchioscorpio* Kjellesvig-Waering, 1986** ..... **Devonian**

8. *Branchioscorpio richardsoni* Kjellesvig-Waering, 1986* ..... D Wyoming

† **DOLICHOPHONIIDAE Petrunkevitch, 1953** ..... **Silurian**

† ***Dolichophonus* Petrunkevitch, 1949** ..... **Silurian**

9. *Dolichophonus loudonensis* (Laurie, 1899)* ..... S Pentland Hills

† **HOLOSTERNINA Kjellesvig-Waering, 1986** ..... **Devonian**

† **ACANTHOSCORPIONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian**

† **ACANTHOSCORPIONIIDAE Kjellesvig-Waering, 1986** ..... **Devonian**

† ***Acanthcoscorpio* Kjellesvig-Waering, 1986** ..... **Devonian**

10. *Acanthoscorpio mucronatus* Kjellesvig-Waering, 1986* ..... D Wyoming

† **STENOSCORPIONIIDAE Kjellesvig-Waering, 1986** ..... **Triassic**

† ***Stenoscorpio* Kjellesvig-Waering, 1986** ..... **Triassic**

11. *Stenoscorpio gracilis* (Wills, 1910)* ..... Tr Keuper sandstone

12. *Stenoscorpio pseudogracilis* (Wills, 1947) ..... Tr Keuper sandstone

† **ALLOPALAEOPHONOIDEA Kjellesvig-Waering, 1986** ..... **Silurian**

† **ALLOPALAEOPHONIDAE Kjellesvig-Waering, 1986** ..... **Silurian**

† ***Allopalaeophonus* Kjellesvig-Waering, 1986** ..... **Silurian**

13. *Allopalaeophonus caledonicus* (Hunter, 1886)* ..... S Logan Water

i. = *Palaeophonus hunteri* Pocock, 1901 ..... S Logan Water

† **EOCTONOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **ALLOBUTHISCORPIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

Allobuthiscorpius is now a junior synonym (see below)

† ***Aspiscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

14. *Aspiscorpio eageri* Kjellesvig-Waering, 1986* ..... C Sparth Bottoms

Aspiscorpio sp. *in* Poschmann (2009) ..... C Saar

† **ANTHRACOSCORPIONIDAE Frič, 1904** ..... **Carboniferous**

† ***Allobuthus* Kjellesvig-Waering, 1986** ..... **Carboniferous**

15. *Allobuthus pescei* (Vachon & Heyler, 1985)* ..... C Montceau-les-Mines

† ***Anthracoscorpio* Kušta, 1885** ..... **Carboniferous**

16. *Anthracoscorpio dunlopi* Pocock, 1911 ..... C Airdrie

17. *Anthracoscorpio juvenis* Kušta, 1885* ..... C Rakovník

† **BUTHISCORPIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Buthiscorpius*** **Petrunkevitch, 1953** ..... **Carboniferous**

18. *Buthiscorpius lemayi* Kjellesvig-Waering, 1986 ..... C Illinois

† **EOCTONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Eoctonus*** **Petrunkevitch, 1913** ..... **Carboniferous**

19. *Eoctonus miniatus* Petrunkevitch, 1913* ..... C Mazon Creek

† **GARNETTIIDAE Dubinin, 1962** ..... **Carboniferous**

† ***Garnettius*** **Petrunkevitch, 1953** ..... **Carboniferous**

20. *Garnettius hungerfordi* (Elias, 1936)* ..... C Garnett, Kansas

† **GIGANTOSCORPIONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian – Carbon.**

† **GIGANTOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Devonian – Carbon.**

= † PETALOSCORPIONIDAE Kjellesvig-Waering, 1986

† ***Gigantoscorpio*** **Størmer, 1963** ..... **Carboniferous**

21. *Gigantoscorpio willsi* Størmer, 1963* ..... C Glencartholm

† ***Petaloscorpio*** **Kjellesvig-Waering, 1986** ..... **Devonian**

22. *Petaloscorpio bureaui* Kjellesvig-Waering, 1986* ..... D Miguasha, Quebec

† **MESOPHONOIDEA Wills, 1910** ..... **Carbon. – Triassic**

† **CENTROMACHIDAE Petrunkevitch, 1953** ..... **Carboniferous**

= † ANTHRACOCHAERILIDAE Kjellesvig-Waering, 1986

= † OPSIEOBUTHIDAE Kjellesvig-Waering, 1986

= † PHOXISCORPIONIDAE Kjellesvig-Waering, 1986

† ***Anthracochaerilus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

23. *Anthracochaerilus palustris* Kjellesvig-Waering, 1986* ..... C Glencartholm

† ***Centromachus*** **Thorell & Lindström, 1885** ..... **Carboniferous**

24. *Centromachus euglyptus* (Peach, 1883)* ..... C Glencartholm

† ***Opsieobuthus*** **Kjellesvig-Waering, 1986** ..... **Carbon. - Permian**

25. *Opsieobuthus pottsvillensis* (Moore, 1923)* ..... C Indiana

26. *?Opsieobuthus tungeri* Dunlop, Legg, Selden, Fet, Schneider & Rößler, 2016..... P Chemnitz, Germany

† ***Phoxiscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

27. *Phoxiscorpio peachi* Kjellesvig-Waering, 1986* ..... C Dalmeny, Edinburgh

† ***Pulmonoscorpio*** **Jeram, 1994*a*** ..... **Carboniferous**

28. *Pulmonoscorpius kirktonensis* Jeram, 1994*a** ..... C East Kirkton

† **GALLIOSCORPIONIDAE Lourenço & Gall, 2004** ..... **Triassic**

† ***Gallioscorpio*** **Lourenço & Gall, 2004** ..... **Triassic**

29. *Gallioscorpio voltzi* Lourenço & Gall, 2004* ..... Tr Vosges, France

† **HELOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Heloscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

30. *Heloscorpio sutcliffei* (Woodward, 1907*b*)* ..... C Sparth Bottoms

† **MAZONIIDAE Petrunkevitch, 1913** ..... **Carboniferous**

† ***Mazonia*** **Meek & Worthen, 1868*b*** ..... **Carboniferous**

31. *Mazonia wardingleyi* (Woodward, 1907*b*) ..... C Sparth Bottoms

32. *Mazonia woodiana* Meek & Worthen, 1868*b** ..... C Mazon Creek

† **MESOPHONIDAE Wills, 1910** ..... **Triassic**

† ***Mesophonus*** **Wills, 1910** ..... **Triassic**

33. *Mesophonus perornatus* Wills, 1910* ..... Tr Keuper sandstone

i. = *Mesophonus opisthophthalmus* Wills, 1947 ..... Tr Keuper sandstone

34. ?*Mesophonus pulcherrimus* Wills, 1910 ..... Tr Keuper sandstone

35. ?*Mesophonus pulcherrimus immaculatus* Wills, 1947 ..... Tr Keuper sandstone

† **WILLSISCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Triassic**

† ***Willsiscorpio*** **Kjellesvig-Waering, 1986** ..... **Triassic**

36. *Willsiscorpio bromsgroviensis* (Wills, 1910)* ..... Tr Keuper sandstone

† **PALAEOSCORPOIDEA Lehmann, 1944** ..... **Devonian – Triassic**

† **PALAEOSCORPIONIDAE Lehmann, 1944** ..... **Devonian**

† ***Palaeoscorpio*** **Lehmann, 1944** ..... **Devonian**

37. *Palaeoscorpius devonicus* Lehmann, 1944* ..... D Hunsrückschiefer

Kühl *et al*. (2012) simply listed the genus unplaced under Protoscorpionina

† **SPONGIOPHONOIDEA Kjellesvig-Waering, 1986** ..... **Devonian –Triassic**

† **PRAERCTURIDAE Kjellesvig-Waering, 1986** ..... **Devonian**

† ***Praearcturus*** **Woodward, 1871*a*** ..... **Devonian**

38. *Praearcturus gigas* Woodward, 1871*a** ..... D Rowlestone

† **SPONGIOPHONIDAE Kjellesvig-Waering, 1986** ..... **Triassic**

† ***Spongiophonus*** **Wills, 1947** ..... **Triassic**

39. *Spongiophonus pustulosus* Wills, 1947* ..... Tr Keuper sandstone

† **MERISTOSTERNINA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **CYCLOPHTHALMOIDEA Thorell & Lindström, 1885** ..... **Carboniferous**

† **CYCLOPHTHALMIDAE Thorell & Lindström, 1885** ..... **Carboniferous**

† ***Cyclophthalmus*** **Corda, 1835** ..... **Carboniferous**

40. *Cyclophthalmus senior* Corda, 1835* ..... C Cholme

41. *Cyclophthalmus robustus* Kjellesvig-Waering, 1986 ..... C Coseley

42. ?*Cyclophthalmus sibiricus* Novojilov & Størmer, 1963 ..... C Kemerov Region

† **MICROLABIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Microlabis*** **Corda, 1839** ..... **Carboniferous**

43. *Microlabis sternbergii* Corda, 1839* ..... C Cholme

† **PALAEOBUTHOIDEA Kjellesvig-Waering, 1986**..... **Carboniferous**

† **PALAEOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Palaeobuthus*** **Petrunkevitch, 1913** ..... **Carboniferous**

= † *Mazoniscorpio* Wills, 1960

44. *Palaeobuthus distinctus* Petrunkevitch, 1913* ..... C Mazon Creek

i. = *Mazoniscorpio mazonensis* Wills, 1960 ..... C Mazon Creek

† **LOBOSTERNINA Pocock, 1911** ..... **Silurian – Carbon.**

† **ISOBUTHOIDEA Petrunkevitch, 1913** ..... **Carboniferous**

† **EOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Eobuthus*** **Frič, 1904** ..... **Carboniferous**

45. *Eobuthus cordai* Kjellesvig-Waering, 1986 ..... C Kralupy Hill

46. *Eobuthus holti* Pocock, 1911 ..... C Sparth Bottoms

47. *Eobuthus rakovnicensis* Frič, 1904* ..... C Rakovník

† **EOSCORPIIDAE Scudder, 1884** ..... **Carboniferous – Perm**

† ***Eoscorpius*** **Meek & Worthen, 1868*a*** ..... **Carboniferous – Perm.**

= † *Alloscorpius* Petrunkevitch, 1949

= † *Europhthalmus* Petrunkevitch, 1949

= † *Lichnophthalmus* Petrunkevitch, 1949

= † *Trigonoscorpio* Petrunkevitch, 1913

= † *Typhloscorpius* Petrunkevitch, 1949

48. *Eoscorpius bornaensis* Sterzel, 1918 ..... C Chemnitz–Borna

49. *Eoscorpius carbonarius* Meek & Worthen, 1868*a** ..... C Mazon Creek

i. = *Eoscorpius typicus* Petrunkevitch, 1913 ..... C Mazon Creek

ii. = *Eoscorpius granulosus* Petrunkevitch, 1913 ..... C Mazon Creek

iii. = *Trigonoscorpio americanus* Petrunkevitch, 1913 ..... C Mazon Creek

50. *Eoscorpius casei* Kjellesvig-Waering, 1986 ..... C Nova Scotia

51. *Eoscorpius distinctus* (Petrunkevitch, 1949) ..... C Coseley

52. *Eoscorpius mucronatus* Kjellesvig-Waering, 1986 ..... C Barnsley

53. *Eoscorpius pulcher* (Petrunkevitch, 1949) ..... C Barnsley

i. = *Europhthalmus longimanus* Petrunkevitch, 1949 ..... C Barnsely

54. *Eoscorpius sparthensis* Baldwin & Sutcliffe, 1904 ..... C Sparth Bottoms

Eoscorpius sp. *in* Poschmann *et al.* (2016) ..... C Graissessac, France

Eoscorpius sp. *in* Lei *et al.* (2020) ..... P Inner Mongolia, China

† ***Eskioscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

55. *Eskiscorpio parvus* Kjellesvig-Waering, 1986* ..... C Glencartholm

† ***Trachyscorpio*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

56. *Trachyscorpio squarrosus* Kjellesvig-Waering, 1986* ..... C Fouldon

† **ISOBUTHIDAE Petrunkevitch, 1913** ..... **Carbon. – Triassic**

† ***Boreoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

57. *Boreoscorpio copelandi* Kjellesvig-Waering, 1986* ..... C Nova Scotia

† ***Bromsgroviscorpio* Kjellesvig-Waering, 1986** ..... **Triassic**

58. *Bromsgroviscorpio willsi* Kjellesvig-Waering, 1986* ..... Tr Keuper sandstone

† ***Feistmantelia* Frič, 1904** ..... **Carboniferous**

59. *Feistmantelia ornata* Frič, 1904* ..... C Studnoves

† ***Isobuthus* Frič, 1904** ..... **Carboniferous**

60. *Isobuthus kralupensis* (Thorell & Lindström, 1885)* ..... C Kralup

61. ?*Isobuthus nyranensis* Frič, 1904 ..... C Nýřany

† **KRONOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Kronoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

62. *Kronoscorpio danielsi* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **PAREOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Pareobuthus* Wills, 1959** ..... **Carboniferous**

63. *Pareobuthus salopiensis* Wills, 1959* ..... C Shropshire

† **PARAISOBUTHOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **PARAISOBUTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Paraisobuthus* Kjellesvig-Waering, 1986** ..... **Carboniferous**

64. *Paraisobuthus duobicarinatus* Kjellesvig-Waering, 1986 ..... C Shipley

65. *Paraisobuthus frici* Kjellesvig-Waering, 1986 ..... C Kralupy Hill

66. *Paraisobuthus prantli* Kjellesvig-Waering, 1986* ..... C Rakovník

67. *Paraisobuthus virginiae* Kjellesvig-Waering, 1986 ..... C Mazon Creek

Parisobuthus [*sic*] sp. *in* Gutiérrez-Marco *et al*. (2005) ..... C León, Spain

† **SCOLOPOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Benniescorpio* Wills, 1960** ..... **Carboniferous**

68. *Benniescorpio tuberculatus* (Peach, 1883)* ..... C Dysart, Fife

† ***Scoloposcorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

69. *Scoloposcorpio cramondensis* Kjellesvig-Waering, 1986* ..... C Cramond, Edinburgh

† **TELMATOSCORPIONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Telmatoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

70. *Telmatoscorpio brevipectus* Kjellesvig-Waering, 1986* ..... C Mazon Creek

† **LOBOARCHAEOCTONOIDEA Kjellesvig-Waering, 1986** ..... **Carboniferous**

† **LOBOARCHAEOCTONIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Loboarchaeoctonus*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

71. *Loboarchaeoctonus squamosus* Kjellesvig-Waering, 1986* ..... C Glencartholm

† **WATERSTONIIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

† ***Waterstonia*** **Kjellesvig-Waering, 1986** ..... **Carboniferous**

72. *Waterstonia airdriensis* Kjellesvig-Waering, 1986* ..... C Airdrie

† **PALAEOPHONOIDEA Thorell & Lindström, 1884** ..... **Silurian**

† **PALAEOPHONIDAE Thorell & Lindström, 1884** ..... **Silurian**

† ***Palaeophonus*** **Thorell & Lindström, 1884** ..... **Silurian**

73. *Palaeophonus nuncius* Thorell & Lindström, 1884* ..... S Visby, Gotland

74. ?*Palaeophonus lightbodyi* Kjellesvig-Waering, 1954 [claw only !] ..... S Ludford Lane

NEOSCORPIONINA Thorell & Lindström, 1885 (suborder) ..... **Carbon. – Recent**

Neoscorpionina *incertae sedis*

† ***Gymnoscorpius*** **Jeram, 1994*b*** ..... **Carboniferous**

75. *Gymnoscorpius mutillidigitatus* Jeram, 1994*b** ..... C northern England

ORTHOSTERNI Pocock, 1911 (infraorder) ..... **Carbon. – Recent**

Orthosterni *incertae sedis*

† ***Compsoscorpius*** **Petrunkevitch 1949** ..... **Carboniferous**

= † *Allobuthiscorpius* Kjellesvig-Waering, 1986

= † *Coseleyscorpio* Kjellesvig-Waering, 1986

= † *Leioscorpio* Kjellesvig-Waering, 1986

= † *Lichnoscorpius* Petrunkevitch, 1949

= † *Pseudobuthiscorpius* Kjellesvig-Waering, 1986

= † *Typhlopisthacanthus* Petrunkevitch, 1949

76. *Compsoscorpius buthiformis* (Pocock, 1911)* ..... C Coal Measures

i. = *Typhlopisthacanthus anglicus* Petrunkevitch, 1949 ... C Coseley

ii. = *Lichnoscorpius minutus* Petrunkevitch, 1949 ..... C Coseley

iii. = *Compsoscorpius elegans* Petrunkevitch 1949 ..... C Coseley

iv. = *Compsoscorpius elongatus* Petrunkevitch, 1949 ..... C Coseley

v. = *Buthiscorpius major* Wills, 1960 ..... C Kilburn Coal

vi. = *Leioscorpio pseudobuthiformis* Kjellesvig-Waering, 1986 ..... C Coseley

vii. = *Pseudobuthiscorpius labiosus* Kjellesvig-Waering, 1986 ..... C Coseley

viii. = *Coseleyscorpio lanceolatus* Kjellesvig-Waering, 1986 C Coseley

ix. = *Allobuthus macrostethus* Kjellesvig-Waering, 1986 .... C Coseley

Compsoscorpius sp. *in* Poschmann *et al*. (2016) ..... C Graissessac, France

† ***Corniops*** **Jeram, 1994*b*** ..... **Carboniferous**

77. *Corniops mapesii* Jeram, 1994*b** ..... C Lone Star Lake

† ***Suraju*** **Martine, Ricardi-Branco, Beloto & Jurigan, 2020** ..... **Permian**

78. *Suraju itayma* Martine, Ricardi-Branco, Beloto & Jurigan, 2020* ..... P Santa Catarina

† **PALAEOPISTHACANTHIDAE Kjellesvig-Waering, 1986** ..... **Carboniferous**

Legg *et al*. (2012) excluded *Composcorpius* from this family as its inclusion made it paraphyletic in Jeram's (1994) cladogram

† ***Cryptoscorpius*** **Jeram, 1994*b*** ..... **Carboniferous**

79. *Cryptoscorpius americanus* Jeram, 1994*b** ..... C Lone Star Lake

† ***Palaeopisthacanthus*** **Petrunkevitch, 1913** ..... **Carboniferous**

80. *Palaeopisthacanthus schucherti* Petrunkevitch, 1913* ..... C Mazon Creek

81. *Palaeopisthacanthus vogelandurdeni* Jeram, 1994*b* ..... C Lone Star Lake

BUTHIDA Soleglad & Fet 2003 (parvorder) ..... **Triassic – Recent**

superfamily uncertain

† **CHAERILOBUTHIDAE Lourenço & Beigel, 2011** ..... **Cretaceous**

† ***Chaerilobuthus*** **Lourenço & Beigel, 2011** ..... **Cretaceous**

82. *Chaerilobuthus birmanicus* Lourenço, 2015*b* ..... K Burmese amber

83. *Chaerilobuthus brandti* Lourenço *in* Lourenço & Velten, 2022*a* ..... K Burmese amber

84. *Chaerilobuthus bruckschi* Lourenço, 2015*b* ..... K Burmese amber

85. *Chaerilobuthus complexus* Lourenço & Beigel, 2011* ..... K Burmese amber

86. *Chaerilobuthus enigmaticus* Lourenço, 2015*d* ..... K Burmese amber

87. *Chaerilobuthus gigantosternum* Lourenço, 2016*b* ..... K Burmese amber

88. *Chaerilobuthus longiaculeus* Lourenço, 2013*b* ..... K Burmese amber

89. *Chaerilobuthus meggeri* Lourenço *in* Lourenço & Velten, 2021*b* ..... K Burmese amber

90. *Chaerilobuthus schwarzi* Lourenço *in* Lourenço & Velten, 2015 ..... K Burmese amber

91. *Chaerilobuthus serratus* Lourenço, 2016*b* ..... K Burmese amber

Chaerilobuthus sp. *in* Lourenço & Velten, 2021*b* ..... K Burmese amber

† **PALAEOTRILINEATIDAE Lourenço, 2012*b*** ..... **Cretaceous**

† ***Palaeotrilineatus*** **Lourenço, 2012*b*** ..... **Cretaceous**

92. *Palaeotrilineatus ellenbergeri* Lourenço, 2012*b** ..... K Burmese amber

PSUEDOCHACTOIDEA Gromov, 1998 ..... **Recent**

PSEUDOCHACTIDAE Gromov, 1998 ..... **Recent**

no fossil record

CHAERILOIDEA Pocock, 1893 ..... **Cretaceous – Recent**

CHAERILIDAE Pocock, 1893 ..... **Cretaceous – Recent**

† ***Electrochaerilus*** **Santiago-Blay *et al*., 2004** ..... **Cretaceous**

93. *Electrochaerilus buckleyi* Santiago-Blay *et al*., 2004 ..... K Burmese amber

BUTHOIDEA C. L. Koch, 1837 ..... **Triassic – Recent**

† **PROTOBUTHIDAE Lourenço & Gall, 2004** ..... **Triassic**

† ***Protobuthus* Lourenço & Gall, 2004** ..... **Triassic**

94. *Protobuthus elegans* Lourenço & Gall, 2004* ..... Tr Vosges

† **ARCHAEOBUTHIDAE Lourenço, 2001** ..... **Cretaceous**

† ***Archaeobuthus* Lourenço, 2001** ..... **Cretaceous**

95. *Archaeobuthus estephani* Lourenço, 2001* ..... K Lebanese amber

† **PALAEOBURMESEBUTHIDAE Lourenço, 2015*a*** ..... **Cretaceous**

† ***Betaburmesebuthus* Lourenço & Beigel, 2015*a*** ..... **Cretaceous**

96. *Betaburmesebuthus bellus* Lourenço, 2016*a* ..... K Burmese amber

97. *Betaburmesebuthus bidentatus* Lourenço, 2015*c* ..... K Burmese amber

98. *Betaburmesebuthus fleissneri* Lourenço *in* Lourenço & Velten, 2016 .... K Burmese amber

99. *Betaburmesebuthus joergi* Lourenço & Rossi, 2017 ..... K Burmese amber

100. *Betaburmesebuthus kobberti* Lourenço & Beigel, 2015*a** ..... K Burmese amber

101. *Betaburmesebuthus muelleri* Lourenço, 2015*c* ..... K Burmese amber

102. *Betaburmesebuthus spinipedis* Xuan, Cai & Huang, 2022 ..... K Burmese amber

† ***Palaeoburmesebuthus* Lourenço, 2002** ..... **Cretaceous**

103. *Palaeoburmesebuthus grimaldii* Lourenço, 2002* ..... K Burmese amber

104. *Palaeoburmesebuthus knodeli* Lourenço, 2018*a* ..... K Burmese amber

105. *Palaeoburmesebuthus longimanus* Lourenço & Rossi, 2017 ..... K Burmese amber

106. *Palaeoburmesebuthus ohlhoffi* Lourenço, 2015*b* ..... K Burmese amber

† ***Spinoburmesebuthus* Lourenço, 2002** ..... **Cretaceous**

107. *Spinoburmesebuthus knodelorum* Lourenço, 2021 ..... K Burmese amber

108. *Spinoburmesebuthus pohli* Lourenço *in* Lourenço & Velten, 2017* ..... K Burmese amber

† **SUCINLOURENCOIDAE Rossi, 2015** ..... **Cretaceous**

† ***Sucinlourencous* Rossi, 2015** ..... **Cretaceous**

109. *Sucinlourencous adrianae* Rossi, 2015* ..... K Burmese amber

BUTHIDAE C. L. Koch, 1837 ..... **?Cretaceous – Recent**

= ANDROCTONIDAE C. L. Koch, 1837

= MICROCHARMIDAE Lourenço, 1996*a*

Centruroides* Marx, 1890*a ..... **Neogene – Recent**

110. *Centruroides nitidus* (Thorell, 1876*a*) **[Recent]** ..... Ne Dominican amber

i. = *Centruroides beynai* Schawaller, 1979*a* ..... Ne Dominican amber

Cretaceousbuthus* Lourenço *in* Lourenço & Velten, 2022*b ..... **Cretcaeous**

tentative assignement to Buthidae

111. *Cretaceousbuthus fraaijeorum* Lourenço *in* Lourenço & Velten, 2022*b** K Burmese amber

***Microcharmus* Lourenço, 1995** ..... **Quaternary – Recent**

112. *Microcharmus henderickxi* (Lourenço, 2009*a*) ..... Qt Madagascar copal

Microtityus* Kjellesvig-Waering, 1966*c ..... **Neogene – Recent**

113. *Microtityus ambarensis* (Schawaller, 1982*a*) ..... Ne Dominican amber

† ***Palaeoakentrobuthus* Lourenço & Weitschat, 2000** ..... **Palaeogene**

114. *Palaeoakentrobuthus knodeli* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

† ***Palaeoananteris* Lourenço & Weitschat, 2001** ..... **Palaeogene**

115. *Palaeoananteris ribnitiodamgartensis* Lourenço & Weitschat, 2001* ... Pa Baltic amber

116. *Palaeoananteris ukrainensis* Lourenço & Weitschat, 2009 ..... Pa Rovno amber

117. *Palaeoananteris wunderlichi* Lourenço, 2004 ..... Pa Baltic amber

† ***Palaeoisometrus* Lourenço & Weitschat, 2005*a*** ..... **Palaeogene**

118. *Palaeoisometrus elegans* Lourenço & Weitschat, 2005*a** ..... Pa Baltic amber

† ***Palaeogrosphus* Lourenço, 2000*a*** ..... **Quaternary**

119. *Palaeogrosphus copalensis* (Lourenço, 1996*b*) ..... Qt Copal

120. *Palaeogrosphus jacquesi* Lourenco & Henderickx, 2002 ..... Qt Copal

† ***Palaeolychas* Lourenço & Weitschat, 1996** ..... **Palaeogene**

121. *Palaeolychas balticus* Lourenço & Weitschat, 1996* ..... Pa Baltic amber

122. *Palaeolychas weitschati* Lourenço, 2012*a* ..... Pa Baltic amber

† ***Palaeoprotobuthus* Lourenço & Weitschat, 2000** ..... **Palaeogene**

123. *Palaeoprotobuthus pusillus* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

† ***Palaeospinobuthus* Lourenço, Henderickx & Weitschat, 2005** ..... **Palaeogene**

124. *Palaeospinobuthus cenozoicus* Lourenço, Henderickx & Weitschat, 2005* ..... Pa Baltic amber

† ***Palaeotityobuthus* Lourenço & Weitschat, 2000** ..... **Palaeogene**

125. *Palaeotityobuthus longiaculeus* Lourenço & Weitschat, 2000* ..... Pa Baltic amber

***Tityus* C. L. Koch, 1836** ..... **?Palaeogene – Recent**

126. *Tityus apozonalli* Riquelme *et al*., 2015 ..... Ne Chiapas amber

127. *Tityus azari* Lourenço, 2013*a* ..... Ne Dominican amber

128. '*Tityus*' *eogenus* Menge, 1869 [presumably misplaced] ..... Pa Baltic amber

129. *Tityus geratus* Santiago-Blay & Poinar, 1988 ..... Ne Dominican amber

130. *Tityus (Brazilotityus) hartkorni* Lourenço, 2009*b* ..... Ne Dominican amber

131. *Tityus (Brazilotityus) knodeli* Lourenço, 2014 ..... Ne Chiapas amber

† ***Uintascorpio* Perry, 1995** ..... **Palaeogene**

132. *Uintascorpio halandrasorum* Perry, 1995* ..... Pa Green River

BUTHIDAE *incertae sedis*

133. '*Scorpio*' *schweiggeri* Holl, 1829 ..... Qt Copal [not amber!]

IURIDA Soleglad & Fet 2003 (parvorder) ..... Triassic – Recent

IUROIDEA Thorell, 1876*b* ..... **Recent**

IURIDAE Thorell, 1876*b* ..... **Recent**

no fossil record

BOTHRIUROIDEA Simon, 1880 ..... **Recent**

BOTHRIURIDAE Simon, 1880 ..... **Recent**

= TELEGONIDAE Peters, 1861 [based on a generic homonym]

= ACANTHOCHIROIDAE Karsch, 1880*b*

no fossil record

CARABOCTONOIDEA Pocock, 1893 ..... **Recent**

CARABOCTONIDAE Kraepelin, 1905 ..... **Recent**

no fossil record

CHACTOIDEA Pocock, 1893 ..... **Trassic – Recent**

† **PROTOCHACTIDAE Lourenço, Magnani & Stockar *in* Magnani *et al*., 2022** ..... **Triassic**

† ***Protochactas* Lourenço, Magnani & Stockar *in* Magnani *et al*., 2022** ..... **Triassic**

134. *Protochactas furreri* Lourenço, Magnani & Stockar *in* Magnani *et al*., 2022* ..... Tr Monte San Giorgio

CHACTIDAE Pocock, 1893 ..... **Cretaceous – Recent**

= BROTEIDAE Simon, 1879*a* [supressed for lack of useage]

† ***Araripescorpius* Campos, 1986** ..... **Cretaceous**

135. *Araripescorpius ligabuei* Campos, 1986* ..... K Crato Formation

***Chactas* Gervais, 1844** ..... **Subrecent – Recent**

136. *Chactas pleistocenicus* Lourenço & Weitschat, 2005*b* ..... Qt Colombian copal

† **PALAEOEUSCORPIIDAE Lourenço, 2003** ..... **Cretaceous**

† ***Archaeoscorpiops* Lourenço, 2015*a*** ..... **Cretaceous**

137. *Archaeoscorpiops cretacicus* Lourenço, 2015*a** ..... K Burmese amber

† ***Burmesescorpiops* Lourenço, 2016** ..... **Cretaceous**

138. *Burmesescorpiops groehni* Lourenço, 2016*b** ..... K Burmese amber

† ***Palaeoeuscorpius* Lourenço, 2003** ..... **Cretaceous**

139. *Palaeoeuscorpius gallicus* Lourenço, 2003* ..... K French amber

EUSCORPIIDAE Laurie, 1896 ..... **?Paleogene – Recent**

tentative familial assignment

† ***Eoeuscorpius* Kühl & Lourenco, 2017** ..... **?Paleogene – Recent**

140. *Eoeuscorpius ceratoi* Kühl & Lourenco, 2017* ..... Pa Pesciara, Italy

SCORPIOPIDAE Kraepelin, 1905 ..... **Recent**

no fossil record

SUPERSTITIONIIDAE Stahnke, 1940 ..... **Recent**

no fossil record

TROGLOTAYOSICIDAE Lourenço, 1998 ..... **Recent**

no fossil record

BELISARIIDAE Lourenço, 1998 ..... **Recent**

no fossil record

TYPHLOCHACTIDAE Mitchell, 1971 ..... **Recent**

no fossil record

AKRAVIDAE Levy, 2007 ..... **Recent**

Akravidae is only known from dead specimens in caves and thus might be considered subfossil

no fossil record

HADRUROIDEA Stahnke, 1974 ..... **Recent**

HADRURIDAE Stahnke, 1974 ..... **Recent**

no fossil record

VAEJOVOIDEA Thorell, 1876*b* ..... **Recent**

VAEJOVIDAE Thorell, 1876*b* ..... **Recent**

no fossil record

SCORPIONIOIDEA Latreille, 1802 ..... **Cretaceous – Recent**

DIPLOCENTRIDAE Karsch, 1880*b* ..... **Recent**

no fossil record

HEMISCORPIIDAE Pocock, 1893 ..... **Cretaceous – Recent**

Lourenço (2018) and Lourenço & Velten (2021*a)* retained Protoischnuridae as a valid family

= ISCHNURIDAE Simon, 1879*a*

= LIOCHELIDAE Fet & Bechly, 2001

= † PROTOISCHNURIDAE Carvalho & Lourenço, 2001

† ***Cretaceoushorniops*** **Lourenço, 2018*b*** ..... **Cretaceous**

141. *Cretaceoushorniops knodeli* Lourenço, 2018*b** ..... K Burmese amber

† ***Cretaceousopisthacanthus*** **Lourenço *in* Lourenço & Velten, 2021** ..... **Cretaceous**

142. *Cretaceousopisthacanthus smeelei* Lourenço *in* Lourenço & Velten, 2021*a** ..... K Burmese amber

† ***Protoischnurus*** **Carvalho & Lourenço, 2001** ..... **Cretaceous**

143. *Protoischnurus axelrodorum* Carvalho & Lourenço, 2001* ..... K Crato Formation

HETEROSCORPIONIDAE Kraepelin, 1905 ..... **Recent**

no fossil record

HORMURIDAE Laurie, 1896 ..... **Recent**

no fossil record

SCORPIONIDAE Latreille, 1802 ..... **Neogene – Recent**

= PANDINOIDAE Thorell, 1876*b*

= HETEROMETRIDAE Simon, 1879*a*

† ***Mioscorpio* Kjellesvig-Waering, 1986** ..... **Neogene**

144. *Mioscorpio zeuneri* (Hadži, 1931)* ..... Ne Swabian Alps

† ***Sinoscorpius* Hong, 1983a** ..... **Neogene**

145. *Sinoscorpius shandongensis* Hong, 1983*a** ..... Ne Shandong, China

RUGODENTIDAE Bastawade *et al*., 2005 ..... **Recent**

no fossil record

URODACIDAE Pocock, 1893 ..... **Recent**

no fossil record

SCORPIONES *incertae sedis*

Scorpiones *incertae sedis in* Dunlop & Selden (2013) ..... S Trecastle, Wales

Scorpiones *incertae sedis in* Bicknell & Smith (2021*b*) ..... Tr Sydney, Australia

† ***Brontoscorpio* Kjellesvig-Waering, 1972** ..... **Devonian**

146. *Brontoscorpio anglicus* Kjellesvig-Waering, 1972* ..... D England

† ***Eramoscorpius* Waddington, Rudkin & Dunlop, 2015** ..... **Silurian**

147. *Eramoscorpius brucensis* Waddington, Rudkin & Dunlop, 2015* ..... S Ontario, Canada

† ***Gondwanascorpio* Gess, 2013** ..... **Devonian**

148. *Gondwanascorpio emzantsiensis* Gess, 2013* ..... D Grahamstown

† ***Hubeiscorpio* Walossek, Li & Brauckmann, 1990** ..... **Devonian**

149. *Hubeiscorpio gracilitarsis* Walossek, Li & Brauckmann, 1990* ..... D Hubei, China

† ***Liassoscorpionides* Bode, 1951** ..... **Jurassic**

150. *Liassoscorpionides schmidti* Bode, 1951* ..... J Hondelage, Germany

† ***Palaeomachus* Pocock, 1911** ..... **Carboniferous**

151. *Palaeomachus anglicus* (Woodward, 1876)* ..... C Mansfield

† ***Permomatveevia* Dammann, 2017** ..... **Permian**

152. *Permomatveevia perneri* Dammann, 2017* ..... P Matvéevo, Urals

† ***Titanoscorpio* Kjellesvig-Waering, 1986** ..... **Carboniferous**

153. *Titanoscorpio douglassi* Kjellesvig-Waering, 1986 ..... C Mazon Creek

† ***Wattisonia* Wills, 1960** ..... **Carboniferous**

154. *Wattisonia coseleyensis* Wills, 1960 ..... C Coseley

MISIDENTIFICATIONS

1. ?*Waterstonia brachistodactyla* Kjellesvig-Waering, 1986 [plant fragment?] ..... C Beith, Ayrshire
2. ?*Mesophonus maculatus* (Brauer, Redtenbacher & Ganglbauer, 1889) .....
   [?insect: cockroach] ..... J Siberia
3. *Parioscorpio venator* Wendruff, Babcock, Wirkner, Kluessendorf & Mikulic, 2020

[Arthropoda *incertae sedis*, Anderson *et al*. (2021), perhaps a cheloniellid?] ….. S Wisconsin

4. *Tiphoscorpio hueberi* Kjellesvig-Waering, 1986 [myriapod: *Eoarthropleura*] ….. D New York

2,729 Recent species

OPILIONES

53 currently valid species of fossil harvestman

OPILIONES Sundevall, 1833 ..... **Devonian – Recent**

CYPHOPHTHALMI Simon, 1879*a* (suborder) ..... **Cretaceous – Recent**

the infraorders and family sequence adopted here follow Giribet *et al*. (2012) and the catalogue of Giribet (2020)

BOREOPHTHALMI Giribet *et al*., 2012 (infraorder)

SIRONIDAE Simon, 1879*a* ..... **Palaeogene – Recent**

***Siro* Latreille, 1796** ..... **Palaeogene – Recent**

1. *Siro balticus* Dunlop & Mitov, 2011 ..... Pa Baltic amber
2. *Siro platypedibus* Dunlop & Giribet, 2003 ..... Pa Bitterfeld amber

STYLOCELLIDAE Hansen & Sørensen, 1904 ..... **Cretaceous – Recent**

† ***Palaeosiro* Poinar, 2008** ..... **Cretaceous – Recent**

3. *Palaeosiro burmanicum* Poinar, 2008* ..... K Burmese amber

   originally desribed as a sironid, but reinterpreted by Giribet *et al*. (2012) as a stylocellid

SCOPULOPHTHALMI Giribet *et al*., 2012 (infraorder)

PETTALIDAE Shear, 1980 ..... **Recent**

no fossil record

STERNOPHTHALMI Giribet *et al*., 2012 (infraorder)

NEOGOVEIDAE Shear, 1980 ..... **Recent**

no fossil record

OGOVEIDAE Shear, 1980 ..... **Recent**

no fossil record

TROGLOSIRONIDAE Shear, 1993 ..... **Recent**

no fossil record

TETROPHTHALMI Garwood, Sharma, Dunlop & Giribet, 2014 (suborder) ..... **Devonian – Carbon.**

† **HASTOCULARIDAE Kury, Dunlop & Mendes, 2020** ..... **Devonian – Carbon.**

† ***Eophalangium* Dunlop, Anderson, Kerp & Hass, 2004** ..... **Devonian**

originally desribed as a eupnoid, but transferred by Garwood *et al*. (2004) to their new suborder

4. *Eophalangium sheari* Dunlop, Anderson, Kerp & Hass, 2004* ..... D Rhynie chert

† ***Hastocularis* Garwood, Sharma, Dunlop & Giribet, 2014** ..... **Carboniferous**

5. *Hastocularis argus* Garwood, Sharma, Dunlop & Giribet, 2014* ..... C Montceau-les-Mines

PHALANGIDA Bristowe, 1949
suborder uncertain

ARCHAEOMETIDAE Pocock ..... **Carboniferous**

† ***Archaeometa* Pocock, 1911** ..... **Carboniferous**

6. *Archaeometa nephilina* Pocock, 1911*..... C Coseley

originally misidentified as spiders, transferred to Opiliones by Selden *et al*. (2016)

EUPNOI Hansen & Sørensen, 1904 (suborder) ..... **Devonian – Recent**

plesion taxa

† ***Brigantibunum* Dunlop & Anderson, 2005** ..... **Carboniferous**

7. *Brigantibunum listoni* Dunlop & Anderson, 2005*..... C East Kirkton

† ***Macrogyion* Garwood *et al*., 2011** ..... **Carboniferous**

8. *Macrogyion cronus* Garwood *et al*. 2011*..... C Montceau-les-Mines

† **KUSTARACHNIDAE Petrunkevitch, 1949** ..... **Carboniferous**

† ***Kustarachne* Scudder, 1890*b*** ..... **Carboniferous**

Kustarachne was at one stage placed in its own order, Kustarachnida; Kury *et al*. (2020) discussed the transfer of *K. longipes* to this genus

9. *Kustarachne tenuipes* Scudder, 1890*b**..... C Mazon Creek
    i. = *Kustarachne exstincta* Melander, 1903 ..... C Mazon Creek
    ii. = *Kustarachne conica* Petrunkevitch, 1913 ..... C Mazon Creek
10. *Kustarachne longipes* (Petrunkevitch, 1913) ..... C Mazon Creek

CADDOIDEA Banks, 1893 ..... **Palaeogene – Recent**

CADDIDAE Banks, 1893 ..... **Palaeogene – Recent**

Caddo* Banks, 1892*a ..... **Palaeogene – Recent**

11. *Caddo dentipalpus* (C. L. Koch & Berendt, 1854) ..... Pa European ambers

PHALANGIOIDEA Latreille, 1802 ..... **Palaeogene – Recent**

FAMILY UNCERTAIN

† ***Petrunkevitchiana* Mello-Leitão, 1937** [genus *incertae sedis*] ..... **Palaeogene**

12. *Petrunkevitchiana oculata* (Petrunkevitch, 1922)* ..... Pa Florissant

MONOSCUTIDAE Forster, 1948 ..... **Recent**

no fossil record

NEOPILIONIDAE Lawrence, 1931 ..... **Recent**

no fossil record

PHALANGIIDAE Latreille, 1802 ..... **Palaeogene – Recent**

***Amilenus* Martens, 1969** ..... **Palaeogene – Recent**

13. *Amilenus deltshevi* Dunlop & Mitov, 2009 ..... Pa European ambers

***Dicranopalpus* Doleschall, 1852** ..... **Palaeogene – Recent**

14. *Dicranopalpus ramiger* (C. L. Koch & Berendt, 1854) ..... Pa European ambers

i. = *Opilio corniger* Menge, 1854 ..... Pa Baltic amber

ii. = *Dicranopalpus palmnickensis* Roewer, 1939 ..... Pa Baltic amber

***Lacinius* Thorell, 1876**..... **Palaeogene – Recent**

15. *Lacinius bizleyi* Mitov, Dunlop & Penney, 2015..... Pa Baltic / Bitter. amber

originally assigned to the extant species *Lacinius erinaceus* Staręga, 1966

***Metaphalangium* Roewer, 1911** ..... **Palaeogene – Recent**

16. *Metapahalangium martensi* Mitov, Perkovsky & Dunlop, 2021 ..... Pa Rovno amber

† ***Stephanobunus* Dunlop & Mammitzsch, 2010**..... **Palaeogene**

17. *Stephanobunus mitovi* Dunlop & Mammitzsch, 2010* ..... Pa Baltic amber

?Phalangiidae

18. *Opilio ovalis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

probably misplaced at genus level; types could not be traced as of 2005

PROTOLOPHIDAE Banks, 1893 ..... **Palaeogene – Recent**

***Protolophus* Banks, 1893** ..... **Palaeogene – Recent**

19. *Protolophus hoffeinsi* Elsaka, Mitov & Dunlop, 2019 ..... Pa Baltic amber

SCLEROSOMATIDAE Simon, 1879*a* ..... **Jurassic – Recent**

† ***Amauropilio* Mello-Leitão, 1937** ..... **Palaeogene**

20. *Amauropilio atavus* (Cockerell, 1907) ..... Pa Florissant

21. *Amauropilio lacoei* (Petrunkevitch, 1922) ..... Pa Florissant

***Cosmobunus* Simon, 1879** ..... **Neogene – Recent**

22. *Cosmobunus sageni* Palencia, Peñalver, Prieto & Poyato-Ariza, 2019 .. Ne Rubielos de Mora

***Eumesosoma* Cokendolpher, 1980** ..... **Palaeogene – Recent**

23. *Eumesosoma abdelmawlai* Elsaka, Mitov & Dunlop, 2019..... Pa Baltic amber

Eumesosoma sp. *in* Elsaka, Mitov & Dunlop (2019) ... . Pa Baltic amber

Leiobunum* C. L. Koch, 1839*a ..... **Jurassic – Recent**

24. *Leiobunum longipes* Menge *in* Koch & Berendt, 1854..... Pa Baltic / Bitter. amber

i. = *Leiobunum saparum* Menge *in* Koch & Berendt, 1854 [?*lapsus*] ..... Pa Baltic amber

ii. = *Leiobunum inclusum* Roewer, 1939 ..... Pa Baltic amber

† ***Mesobunus* Huang, Selden & Dunlop, 2009** .... **Jurassic**

25. *Mesobunus dunlopi* Giribet, Tourhino, Shih & Ren, 2012 ..... J Daohugou

26. *Mesobunus martensi* Huang, Selden & Dunlop, 2009* ..... J Daohugou

FAMILY UNCERTAIN

† ***Daohugopilio* Huang, Selden & Dunlop, 2009** .... **Jurassic**

27. *Daohugopilio sheari* Huang, Selden & Dunlop, 2009* ..... J Daohugou

DYSPNOI Hansen & Sørensen, 1904 (suborder) ..... **Carbon. – Recent**

FAMILY UNCERTAIN

† ***Ameticos* Garwood *et al*., 2011** ..... **Carboniferous**

28. *Ameticos scolos* Garwood *et al*. 2011* ..... C Montceau-les-Mines

† ***Echinopustulatus* Dunlop, 2004** ..... **Carboniferous**

29. *Echinopustulatus samuelnelsoni* Dunlop, 2004* ..... C Missouri

ACROPSOPILIONOIDEA Roewer, 1924 ..... **Recent**

Shear & Warfel (2016) suggested that the extinct family Halithersidae may belong to Acropsopilionoidea

ACROPSOPILIONIDAE Roewer, 1924 ..... **Recent**

no fossil record

† **HALITHERSIDAE Dunlop, Selden & Giribet, 2016** ..... **Cretaceous**

† ***Halitherses* Giribet & Dunlop, 2005** ..... **Cretaceous**

30. *Halitherses grimaldii* Giribet & Dunlop, 2005* ..... K Burmese amber

ISCHYROPSALIDOIDEA Simon, 1879*a* ..... **Palaeogene – Recent**

† ***Piankhi* Dunlop, Bartel & Mitov, 2012** ..... **Palaeogene**

tentative assignment, family uncertain

31. *Piankhi steineri* Dunlop, Bartel & Mitov, 2012* ..... Pa Baltic amber

CERATOLASMATIDAE Shear, 1986 ..... **Recent**

no fossil record

ISCHYROPSALIDIDAE Simon, 1879*a* ..... **Recent**

no fossil record

SABACONIDAE Dresco, 1970 ..... **Palaeogene – Recent**

Sabacon* Simon, 1879*a ..... **Palaeogene – Recent**

32. *Sabacon claviger* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic / Rovno amber

i. = *Sabacon bachofeni* Roewer, 1939 ..... Pa Baltic amber

TROGULOIDEA Sundevall, 1833 ..... **Cretaceous – Recent**

DICRANOLASMATIDAE Simon, 1879*a* ..... **Recent**

no fossil record

† **EOTROGULIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

† ***Eotrogulus* Thevenin, 1901** ..... **Carboniferous**

33. *Eotrogulus fayoli* Thevenin, 1901* ..... C Commentry

NEMASTOMATIDAE Simon, 1879*a* ..... **Palaeogene – Recent**

† ***Parahistricostoma*** **Mitov, Perkovsky & Dunlop, 2021** ..... **Palaeogene**

34. *Parahistricostoma tuberculatum* (C. L. Koch & Berendt, 1854)* ..... Pa European ambers

Mitostoma **Roewer, 1951** ..... **Palaeogene – Recent**

35. ?*Mitostoma denticulatum* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Nemastoma succineum* Roewer, 1939 ..... Pa Baltic amber

36. ?*Mitostoma gruberi* Dunlop & Mitov, 2009 ..... Pa Baltic/Bitter. amber

Nemastoma **C. L. Koch, 1836** ..... **Palaeogene – Recent**

37. ?*Nemastoma incertum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Paragiljarovia*** **Elsaka, Mitov & Dunlop, 2019** ..... **Palaeogene**

38. *Paragiljarovia hochae* Elsaka, Mitov & Dunlop, 2019* ..... Pa Baltic amber

† **NEMASTOMOIDIDAE Petrunkevitch, 1955*a*** ..... **Carboniferous**

Kury *et al*. (2020) provided a modern rationale for retaining this extinct family in Dyspnoi

† ***Nemastomoides*** **Thevenin, 1901** ..... **Carboniferous**

= † *Protopilio* Petrunkevitch, 1913

39. *Nemastomoides elaveris* Thevenin, 1901* ..... C Commentry

NIPPONOSALIDIDAE Martens, 1976 ..... **Recent**

no fossil record

TROGULIDAE Sundevall, 1833 ..... **Palaeogene – Recent**

Trogulus **Latreille, 1802** ..... **Palaeogene – Recent**

assignment to this modern genus is probably dubious

40. *Trogulus longipes* Haupt, 1956 ..... Pa Geiseltal

LANIATORES Thorell, 1876*c* (suborder) ..... **Cretaceous – Recent**

LANIATORES INDET.

Laniatores indet. *in* Bartel *et al*. (2021) ..... K Burmese amber

FAMILY UNCERTAIN

Philacarus **Sørensen, 1932** ..... **Neogene – Recent**

41. *Philacarus hispaniolensis* Cokendolpher & Poinar, 1992 ..... Ne Dominican amber

INSIDIATORES Loman, 1900 (infraorder) ..... **Palaeogene – Recent**

Insidiatores indet in Bartel *et al*. (2022) ..... Pa Baltic amber

TRAVUNIOIDEA Absolon & Kratochvíl, 1932 ..... **Palaeogene – Recent**

FAMILY *INCERTAE SEDIS*

† ***Baltonychia*** **Bartel, Derkarabetian & Dunlop, 2022** ..... **Palaeogene**

42. *Baltonychia obscura* Bartel, Derkarabetian & Dunlop, 2022* ..... Pa Baltic amber

CLADONYCHIDAE Hadži, 1935 ..... **Palaeogene – Recent**

† ***Proholoscotolemon*** **Ubick & Dunlop, 2005** ..... **Palaeogene**

43. *Proholoscotolemon nemastomoides* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

?*Proholoscotolemon* sp. *in* Ubick & Dunlop (2005) ..... Pa Baltic amber

cf. *Proholoscotolemon* sp. *in* Bartel & Dunlop (2019) ..... Pa Baltic amber

PENTANYCHIDAE Briggs, 1971 ..... **Recent**

no fossil record

TRAVUNIIDAE Absolon & Kratochvíl, 1932 ..... **Recent**

no fossil record

TRIAENONYCHOIDEA Sørensen, 1886 ..... **Recent**

SYNTHETONYCHIIDAE Forster, 1954 ..... **Recent**

no fossil record

TRIAENONYCHIDAE Sørensen, 1886 ..... **Recent**

no fossil record

GRASSATORES Kury, 2002 (infraorder) ..... **Cretaceous – Recent**

SAMOIDEA Sørensen, 1886 ..... **Neogene – Recent**

BIANTIDAE Thorell, 1889 ..... **Recent**

no fossil record

ESCADABIIDAE Kury & Pérez González *in* Kury, 2003 ..... **Recent**

no fossil record

KIMULIDAE Pérez González, Kury & Alonso-Zarazaga *in* Pérez González & Kury, 2007 ..... **Neogene – Recent**

***Kimula* Goodnight & Goodnight, 1942** ..... **Neogene – Recent**

Kimula sp. *in* Cokendolpher & Poinar (1992) ..... Ne Dominican amber

PODOCTIDAE Roewer, 1912 ..... **Recent**

no fossil record

SAMOIDAE Sørensen, 1886 ..... **Neogene – Recent**

***Hummelinckiolus* Šilhavý, 1979** ..... **Neogene – Recent**

44. *Hummelinckiolus silhavyi* Cokendolpher & Poinar, 1998 ..... Ne Dominican amber

***Pellobunus* Banks, 1905** ..... **Neogene – Recent**

45. *Pellobunus proavus* Cokendolpher, 1987 ..... Ne Dominican amber

STYGNOMMATIDAE Roewer, 1923 ..... **Recent**

no fossil record

ASSAMIOIDEA Sørensen, 1884 ..... **Cretaceous – Recent**

ASSAMIIDAE Sørensen, 1884 ..... **Recent**

no fossil record

EPEDANIDAE Sørensen, 1886 ..... **Cretaceous – Recent**

† ***Biungulus* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

46. *Biungulus xiai* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021*..... K Burmese amber

† ***Gigantocheles* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

47. *Gigantocheles xiai* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021*..... K Burmese amber

† ***Petrobunoides* Selden, Dunlop, Giribet, Zhang & Ren, 2016** ..... **Cretaceous**

48. *Petrobunoides sharmai* Selden, Dunlop, Giribet, Zhang & Ren, 2016*.... K Burmese amber

BELONISCIDAE Kury, Pérez-González & Proud, 2019 ..... **Cretaceous – Recent**

† ***Palaeobeloniscus* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

49. *Palaeobeloniscus thilolebi* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021*..... K Burmese amber

PETROBUNIDAE Sharma & Giribet, 2011 ..... **Recent**

no fossil record

PYRAMIDOPIDAE Sharma, Prieto & Giribet, 2011 ..... **Recent**

† ***Protopyramidops* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

50. *Protopyramidops nalae* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021*..... K Burmese amber

STYGNOPSIDAE Sørensen, 1932 ..... **Recent**

no fossil record

TITHAEIDAE Sharma & Giribet, 2011 ..... **Cretaceous–Recent**

† ***Ellenbergellus* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

51. *Ellenbergellus tuberculatus* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021*..... K Burmese amber

GONYLEPTOIDEA Sundevall, 1833 ..... **Recent**

AGORISTENIDAE Šilhavý, 1973 ..... **Recent**

no fossil record

COSMETIDAE C. L. Koch, 1839*a* ..... **Recent**

no fossil record

CRANAIDAE Roewer, 1913 ..... **Recent**

no fossil record

GONYLEPTIDAE Sundevall, 1833 ..... **Recent**

no fossil record

MANAOSBIIDAE Roewer, 1943 ..... **Recent**

no fossil record

STYGNIDAE Simon, 1879*b* ..... **Recent**

no fossil record

PHALANGODOIDEA Simon, 1879*a* ..... **Recent**

SANDOKANIDAE Özdikmen & Kury, 2007..... **Recent**

= ONCOPODIDAE Thorell, 1876*c* [homonym]

no fossil record

† **MESOKANIDAE Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

† ***Mesokanus* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021** ..... **Cretaceous**

52. *Mesokanus oehmkuehnlei* Bartel, Dunlop, Sharma, Selden, Ren & Shih, 2021*.....K Burmese amber

PHALANGODIDAE Simon, 1879*a* ..... **Recent**

no fossil record

ZALMOXOIDEA Sørensen, 1886 ..... **Recent**

FISSIPHALLIIDAE Martens, 1988 ..... **Recent**

no fossil record

GUASINIIDAE González-Sponga, 1997 ..... **Recent**

no fossil record

ICALEPTIDAE Kury & Pérez González, 2002 ..... **Recent**

no fossil record

ZALMOXIDAE Sørensen, 1886 ..... **Recent**

no fossil record

OPILIONES / SUBORDER *incertae sedis*

unnamed specimen *in* Jell & Duncan (1986) .....K Koonwarra

unnamed specimen *in* Palencia *et al*. (2019) .....K Las Hoyas

† ***Arachnometa* Petrunkevitch, 1949** ..... **Carboniferous**

53. *Arachnometa tuberculata* Petrunkevitch, 1949* .....C Coseley

originally misidentified as a spider, transferred to Opiliones by Selden *et al*. (2016)

NOMINA DUBIA

1. *Cheiromachus coriaceus* Menge *in* Koch & Berendt, 1854 .....Pa Baltic amber

2. *Phalangium succineum* Presl, 1822 [may not be a harvestman] ..... Pa Baltic amber

MISIDENTIFICATIONS

1. *Alilphitrogulus sternalis* Gourret, 1886 [spider?] ..... Pa Aix-en-Provence
2. *Devonopilio hutchinsoni* Tihelka, Tian & Cai, 2020 [Arthropoda *incertae sedis*; see Pérez-González & Shultz (2021)] ..... D Rhynie chert
3. *Hasseltides primigenius* Weyenbergh, 1869 [crinoid] ..... J Solnhofen
4. *Oligoopilionus aquaticus* Ciobanu, 1977 [Arthropoda *incertae sedis*] ..... Pa Piatra Neamț
5. *Phalangillum hirsutum* Gourret, 1886 [spider?] ..... Pa Aix-en-Provence
6. *Phalangites multipes* Münster *in* Roth, 1851 [crustacean] ..... J Solnhofen
7. *Phalangites priscus* Münster, 1839 [crustacean] ..... J Solnhofen
8. *Rhabdotarachnoides simoni* Haupt, 1957 [plant fragment?] ..... P Rotliegend

probably not a name in zoology!

6,637 Recent species according to Kury et al. (2020)

PHALANGIOTARBIDA

31 currently valid species of fossil phalangiotarbid

† **PHALANGIOTARBIDA Haase, 1890** ..... **Devonian – Permian**

= † ARCHITARBIDA Petrunkevitch, 1945*a*

† **DEVONOTARBIDAE Poschmann & Dunlop, 2012** ..... **Devonian**

† ***Devonotarbus* Poschmann, Anderson & Dunlop, 2005** ..... **Devonian**

1. *Devonotarbus hombachensis* Poschmann, Anderson & Dunlop, 2005* D Germany

† **ANTHRACOTARBIDAE Kjellesvig-Waering, 1969** ..... **Carboniferous**

† ***Anthracotarbus* Kjellesvig-Waering, 1969** ..... **Carboniferous**

2. *Anthracotarbus hintoni* Kjellesvig-Waering, 1969* ..... C Oklahoma

† **ARCHITARBIDAE Karsch, 1882** ..... **Carboniferous**

= † PHALANGIOTARBIDAE Haase, 1890

† ***Architarbus* Scudder, 1868** ..... **Carboniferous**

3. *Architarbus hoffmanni* Guthörl, 1934 ..... C Saar basin
   i. = *Opiliotarbus kliveri* Waterlot, 1935..... C Saar basin
   ii. = *Goniotarbus sarana* Guthörl, 1965 ..... C Saar basin
4. *Architarbus minor* Petrunkevitch, 1913 ..... C Mazon Creek
5. *Architarbus rotundatus* Scudder, 1868* ..... C Mazon Creek

† ***Bornatarbus* Rößler & Schneider, 1997** ..... **Carboniferous**

6. *Bornatarbus mayasii* (Haupt *in* Nindel, 1955)* ..... C Germany / UK

† ***Discotarbus* Petrunkevitch, 1913** ..... **Carboniferous**

7. *Discotarbus deplanatus* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Geratarbus* Scudder, 1890*b*** ..... **Carboniferous**

8. *Geratarbus lacoei* Scudder, 1890*b** ..... C Mazon Creek
9. *Geratarbus bohemicus* Petrunkevitch, 1953 ..... C Nýřany

† ***Goniotarbus* Petrunkevitch, 1949** ..... **Carboniferous**

10. *Goniotarbus angulatus* (Pocock, 1911) ..... C Coseley
11. *Goniotarbus tuberculatus* (Pocock, 1911)* ..... C Coseley
    i. = *Goniotarbus tuberculatus* Petrunkevitch, 1949 ..... C Coseley

† ***Hadrachne* Melander, 1903** ..... **Carboniferous**

12. *Hadrachne horribilis* Melander, 1903* ..... C Mazon Creek

† ***Leptotarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

13. *Leptotarbus torpedo* (Pocock, 1911)* ..... C Coseley

† ***Mesotarbus* Petrunkevitch, 1949** ..... **Carboniferous**

14. *Mesotarbus angustus* (Pocock, 1911) ..... C Coseley

15. *Mesotarbus eggintoni* (Pocock, 1911) ..... C Coseley
16. *Mesotarbus hindi* (Pocock, 1911) ..... C Coseley
17. *Mesotarbus intermedius* Petrunkevitch, 1949* ..... C Coseley
18. *Mesotarbus peteri* Dunlop & Horrocks, 1997 ..... C Westhoughton

† ***Metatarbus* Petrunkevitch, 1913** ..... **Carboniferous**

19. *Metatarbus triangularis* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Ootarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

20. *Ootarbus pulcher* Petrunkevitch, 1945*a** ..... C Mazon Creek
21. *Ootarbus ovatus* Petrunkevitch, 1945*a* ..... C Mazon Creek

† ***Orthotarbus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

22. *Orthotarbus longipes* Simon, 1971 ..... C Halleschen Mulde
23. *Orthotarbus minutus* (Petrunkevitch, 1913)* ..... C Mazon Creek
24. *Orthotarbus robustus* Petrunkevitch, 1945*a* ..... C Mazon Creek
25. *Orthotarbus nyranensis* Petrunkevitch, 1953 ..... C Nýřany

† ***Paratarbus* Petrunkevitch, 1945a** ..... **Carboniferous**

26. *Paratarbus carbonarius* Petrunkevitch, 1945*a** ..... C Mazon Creek

† ***Phalangiotarbus* Haase, 1890** ..... **Carboniferous**

27. *Phalangiotarbus subovalis* (Woodward, 1872*b*)* ..... C Burnley

† ***Pycnotarbus* Darber, 1990** ..... **Carboniferous**

28. *Pycnotarbus verrucosus* Darber, 1990* ..... C Oelsnitz

† ***Triangulotarbus* Patrick, 1989** ..... **Carboniferous**

29. *Triangulotarbus terrehautensis* Patrick, 1989* ..... C Indiana

† **HETEROTARBIDAE Petrunkevitch, 1913** ..... **Carboniferous**

† ***Heterotarbus* Petrunkevitch, 1913** ..... **Carboniferous**

30. *Heterotarbus ovatus* Petrunkevitch, 1913* ..... C Mazon Creek

† **OPILIOTARBIDAE Petrunkevitch, 1945*a*** ..... **Carb. – Permian**

† ***Opiliotarbus* Pocock, 1910** ..... **Carb. – Permian**

31. *Opiliotarbus elongatus* (Scudder, 1890*b*)* ..... C–P USA / Germany

NOMINA DUBIA

1. *Eotarbus litoralis* Kušta, 1888 ..... C Rakovník
2. *Nemastomoides depressus* Petrunkevitch, 1913 ..... C Mazon Creek

no Recent species

PSEUDOSCORPIONES

57 currently valid species of fossil pseudoscorpion

PSEUDOSCORPIONES De Geer, 1778 ..... **Devonian – Recent**

= CHERNETES Simon, 1879*a*

† **PALAEOSPHYRONIDA Harvey *in* Benavides *et al*., 2019** ..... **Devonian**

† **DRACOCHELOIDEA Schawaller, Shear & Bonamo, 1991** ..... **Devonian**

† **DRACOCHELIDAE Schawaller, Shear & Bonamo, 1991** ..... **Devonian**

† ***Dracochela* Schawaller, Shear & Bonamo, 1991** ..... **Devonian**

1. *Dracochela deprehendor* Schawaller, Shear & Bonamo, 1991* ..... D Gilboa

HETEROSYPHRONIDA Chamberlin, 1929 ..... **Cretaceous – Recent**

CHTHONOIDEA Daday, 1889 ..... **Cretaceous – Recent**

CHTHONIIDAE Daday, 1889 ..... **Cretaceous – Recent**

= DITHIDAE Chamberlin, 1929

= LECHYTIDAE Chamberlin, 1929

= TRIDENCHTHONIIDAE Balzan, 1892

Chthoniidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

† ***Chelignathus* Menge, 1854** ..... **Palaeogene**

2. *Chelignathus kochii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber

Chthonius* C. L. Koch, 1843*a ..... **Palaeogene – Recent**

3. *Chthonius* (*Chthonius*) *mengei* Beier, 1937 ..... Pa Baltic amber

4. *Chthonius* (*Chthonius*) *pristinus* Schawaller, 1978 ..... Pa Baltic amber

***Lechytia* Balzan, 1892** ..... **Neogene – Recent**

5. *Lechytia tertiaria* Schawaller, 1980*a* ..... Ne Dominican amber

***Paraliochthonius* Beier, 1956** ..... **Neogene – Recent**

6. *Paraliochthonius miomaya* Judson, 2016 ..... Ne Chiapas amber

† ***Prionochthonius* Wriedt, Harvey, Hammel, Kotthoff & Harms, 2021** ..... **Cretaceous**

7. *Prionochthonius burmiticus* Wriedt, Harvey, Hammel, Kotthoff & Harms, 2021* ..... K Burmese amber

***Pseudochthonius* Balzan, 1892** ..... **Neogene – Recent**

8. *Pseudochthonius squamosus* Schawaller, 1980*a* ..... Ne Dominican amber

***Tyrannchthonius* Chamberlin, 1929** ..... **Neogene – Recent**

Tyrannchthonius sp. *in* Judson (2010) ..... Qt Madagascan copal

Tyrannchthonius sp. *in* Judson (2016) ..... Ne Chiapas amber

† ***Weygoldtiella* Harvey *et al*., 2018** ..... **Cretaceous**

9. *Weygoldtiella plausus* Harvey *et al*., 2018 ..... K Burmese amber

LECHYTIDAE Chamberlin, 1929 ..... **Neogene – Recent**

no fossil record

PSEUDOTYRANNOCHTHONIIDAE Balzan, 1892 ..... **Palaeogene – Recent**

***Allochthonius* Chamberlin, 1929** ..... **Palaeogene – Recent**

10. *Allochthonius balticus* Schwarze, Harms, Hammel & Kotthoff, 2021 ..... Pa Baltic amber

***Centrochthonius* Beier, 1931** ..... **Palaeogene – Recent**

11. *Centrochthonius bitterfeldicus* Schwarze, Harms, Hammel & Kotthoff, 2021 ..... Pa Bitterfeld amber

Pseudotyrannochthoniidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

HOMOSYPHRONIDA Chamberlin, 1929 ..... **Triassic – Recent**

ATOPOSYPHRONIDA Harvey *in* Benavides *et al*., 2019 ..... **Triassic – Recent**

FEAELLOIDEA Ellingsen, 1906 ..... **Triassic – Recent**

FEAELLIDAE Ellingsen, 1906 ..... **Triassic – Recent**

† ***Archaeofeaella* Kolesnikov, Turbanov, Eskov, Propistsova & Bashkuev, 2022** ..... **Triassic**

12. *Archaeofeaella henderickxi* Kolesnikov, Turbanov, Eskov, Propistsova & Bashkuev, 2022* ..... T Ukraine

***Feaella (Tetrafeaella)* Beier, 1955** ..... **Palaeogene – Recent**

13. *Feaella (Tetrafeaella) groehni* Henderickx *in* Henderickx & Boone, 2014 Pa Baltic amber

† ***Protofeaella* Henderickx *in* Henderickx & Boone, 2014** ..... **Cretcaeous**

14. *Protofeaella peetersae* Henderickx *in* Henderickx & Boone, 2016* ..... K Burmese amber

PSEUDOGARYPIDAE Chamberlin, 1923*a* ..... **Palaeogene – Recent**

Pseudogarypidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

***Pseudogarypus* Ellingsen, 1909** ..... **Palaeogene – Recent**

15. *Pseudogarypus extensus* Beier, 1937 ..... Pa Baltic amber
16. *Pseudogarypus hemprichii* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
17. *Pseudogarypus minor* Beier, 1947*a* ..... Pa Baltic/Rovno amber
18. *Pseudogarypus pangaea* Henderickx *in* Henderickx *et al.*, 2006 ..... Pa Baltic amber
19. *Pseudogarypus synchrotron* Henderickx *in* Henderickx *et al.*, 2012 ..... Pa Baltic amber

IOCHIERATA Harvey, 1992 ..... **Cretaceous – Recent**

HEMICTENATA Balzan, 1892 ..... **Cretaceous – Recent**

NEOBISIOIDEA Chamberlin, 1930 ..... **Cretaceous – Recent**

BOCHICIDAE Chamberlin, 1930 ..... **Recent**

= VACHONIIDAE Chamberlin, 1947

no fossil record

GYMNOBISIIDAE Beier, 1947*b* ..... **Recent**

no fossil record

HYIDAE Chamberlin, 1930 ..... **Recent**

no fossil record

IDEORONCIDAE Chamberlin, 1930 ..... **Recent**

† ***Proalbiorix*** **Geißler, Kotthoff, Hammel, Harvey & Harms, 2022** ..... **Cretaceous**

20. *Proalbiorix compactus* Geißler, Kotthoff, Hammel, Harvey & Harms, 2022 ..... K Burmese amber
21. *Proalbiorix gracilis* Geißler, Kotthoff, Hammel, Harvey & Harms, 2022 .. K Burmese amber

NEOBISIIDAE Chamberlin, 1930 ..... **Palaeogene – Recent**

= OBISIIDAE Sundevall, 1833

Neobisiidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

Microcreagris **Balzan, 1892** ..... **Palaeogene – Recent**

22. *Microcreagris koellnerorum* Schawaller, 1978 ..... Pa Baltic amber

Neobisium **Chamberlin, 1930** ..... **Palaeogene – Recent**

23. *Neobisium* (*Neobisium*) *exstinctum* Beier, 1955 ..... Pa Baltic amber
24. *Neobisium henderickxi* Judson, 2003 ..... Pa Baltic amber

Roncus **L. Koch, 1873** ..... **Palaeogene – Recent**

25. *Roncus succineus* Beier, 1955 ..... Pa Baltic amber

PARAHYIDAE Harvey, 1992 ..... **Recent**

no fossil record

SYARINIDAE Chamberlin, 1930 ..... **Recent**

no fossil record

PANCTENATA Balzan, 1892 ..... **Cretaceous – Recent**

GARYPOIDEA Simon, 1879*a* ..... **Palaeogene – Recent**

GARYPIDAE Simon, 1879*a* ..... **Recent**

= SYNSPHRONIDAE Beier, 1932*a*

no fossil record

GEOGARYPIDAE Chamberlin, 1930 ..... **Palaeogene – Recent**

Geogarypidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

Geogarypus **Chamberlin, 1930** ..... **Palaeogene – Recent**

26. *Geogarypus gorskii* Henderickx, 2005 ..... Pa Baltic/Rovno amber
27. *Geogarypus macrodactylus* Beier, 1937 ..... Pa Baltic amber
28. *Geogarypus major* Beier, 1937 ..... Pa Baltic amber

HESPEROLPIIDAE Chamberlin, 1930 ..... **Recent**

no fossil record

MENTHIDAE Chamberlin, 1930 ..... **Recent**

no fossil record

OLPIIDAE Banks, 1895 ..... **Palaeogene – Recent**

no fossil record

GARYPINOIDEA Daday, 1889 ..... **Cretaceous – Recent**

GARYPINIDAE Daday, 1889 ..... **Cretaceous – Recent**

Garypinidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

Amblyolpium* Simon, 1898*b ..... **Cretaceous – Recent**

29. *Amblyolpium burmiticum* (Cockerell, 1920) ..... K Burmese amber

***Garypinus* Daday, 1888** ..... **Palaeogene – Recent**

30. *Garypinus electri* Beier, 1937 ..... Pa Baltic amber

LARCIDAE Harvey, 1992 ..... **Recent**

no fossil record

CHEIRIDIOIDEA Hansen, 1894 ..... **Cretaceous – Recent**

CHEIRIDIIDAE Hansen, 1894 ..... **Cretaceous – Recent**

Cheiridiidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

***Cheiridium* Menge, 1855** ..... **Palaeogene – Recent**

31. *Cheiridium hartmanni* (Menge in Koch & Berendt 1854) ..... Pa Baltic amber

Cryptocheiridium* Chamberlin, 1931*a ..... **Neogene – Recent**

32. *Cryptocheiridium* (*Cryptocheiridium*) *antiquum* Schawaller, 1981 ..... Ne Dominican amber

† ***Electrobisium* Cockerell, 1917** ..... **Cretaceous**

33. *Electrobisium acutum* Cockerell, 1917*a** ..... K Burmese amber

† ***Procheiridium* Porta, Michalik, Franchi & Proud, 2020*a*** ..... **Cretaceous**

34. *Procheiridium judsoni* Porta, Michalik, Franchi & Proud, 2020*a** ..... K Burmese amber

PSEUDOCHIRIDIIDAE Chamberlin, 1923*b* ..... **Neogene – Recent**

***Pseudochiridium* With, 1906** ..... **Neogene – Recent**

35. *Pseudochiridium lindae* Judson, 2007 ..... Ne Dominican amber

STERNOPHOROIDEA Chamberlin, 1923*b* ..... **Neogene – Recent**

STERNOPHORIDAE Chamberlin, 1923*b* ..... **Neogene – Recent**

***Idiogaryops* Hoff, 1963** ..... **Neogene – Recent**

36. *Idiogaryops pumilus* (Hoff, 1963) **[Recent]** ..... Ne–R Dominican amber

CHELIFEROIDEA Risso, 1826 ..... **Cretaceous – Recent**

ATEMNIDAE Kishida, 1929 ..... **Palaeogene – Recent**

Atemninae indet. *in* Judson (2010) ..... Qt Dominican amber

Atemnidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

***Paratemnoides* Harvey, 1991** ..... **Neogene – Recent**

37. *Paratemnoides nidificator* (Balzan, 1888) **[Recent]** ..... Qt–R Colombian copal

Paratemnoides (?) sp. *in* Judson (2016) ..... Ne Chiapas amber

† ***Progonatemnus*** **Beier, 1955** ..... **Palaeogene**

38. *Progonatemnus succineus* Beier, 1955* ..... Pa Baltic amber

CHELIFERIDAE Risso, 1827 ..... **Cretaceous – Recent**

Cheliferidae? indet. *in* Judson (2009) ..... K Archingeay amber

Cheliferidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

Cheliferini gen. sp. indet. *in* Judson (2016) ..... Ne Chiapas amber

† ***Dichela*** **Menge, 1854** ..... **Palaeogene**

= † *Oligochelifer* Beier, 1937

39. *Dichela berendtii* Menge *in* Koch & Berendt 1854* ..... Pa Baltic amber

40. *Dichela gracilis* (Beier, 1937) ..... Pa Baltic amber

41. *Dichela granulatus* (Beier, 1937) ..... Pa Baltic amber

42. *Dichela serratidentatus* (Beier, 1937) ..... Pa Baltic amber

† ***Electrochelifer*** **Beier, 1937** ..... **Palaeogene**

43. *Electrochelifer bachofeni* Beier, 1947*a* ..... Pa Baltic amber

44. *Electrochelifer balticus* Beier, 1955 ..... Pa Baltic amber

45. *"Electrochelifer" groehni* Dashdamirmov, 2008 ..... Pa Baltic amber

46. *Electrochelifer mengei* Beier, 1937* ..... Pa Baltic amber

47. *Electrochelifer rapulitarsatus* Beier, 1947*a* ..... Pa Baltic amber

† ***Heurtaultia*** **Judson, 2009** [tentative referal to family] ..... **Cretaceous**

48. *Heurtaultia rossiorum* Judson, 2009 ..... K Archingeay amber

† ***Pycnochelifer*** **Beier, 1937** ..... **Palaeogene**

49. *Pycnochelifer kleemanni* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

i. = *Obisium rathkii* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Trachychelifer*** **Hong, 1983b** ..... **Palaeogene**

50. *Trachychelifer liaoningense* Hong, 1983*b** ..... Pa Chinese amber

CHERNETIDAE Menge, 1855 ..... **Cretaceous – Recent**

Chernetidae indet. *in* Schawaller (1991) ..... K Canadian amber

Chthoniidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

Chernetidae indet. *in* Schawaller (1982*b*) ..... Ne Chiapas amber

Byrsochernes **Beier, 1959** ..... **Neogene – Recent**

= † *Mayachernes* Riquelme, Piedra-Jiménez & Córdova-Tabares, 2014 *in* Riquelme *et al*. (2014)

51. *Byrsochernes maatiatus* (Riquelme, Piedra-Jiménez & Córdova-Tabares, 2014 *in* Riquelme *et al*. (2014)) ..... Ne Chiapas amber

Lustrochernes **Beier, 1932** ..... **Neogene – Recent**

Lustrochernes (?) sp. 1–2 *in* Judson (2016) ..... Ne Chiapas amber

† ***Oligochernes*** **Beier, 1937** ..... **Palaeogene**

52. *Oligochernes bachofeni* Beier, 1937 ..... Pa Baltic amber

53. *Oligochernes wigandi* (Menge *in* Koch & Berendt 1854) ..... Pa Baltic amber

Pachychernes* Beier, 1932*b ..... **Neogene – Recent**

54. *Pachychernes effossus* Schawaller, 1980*b* ..... Ne Dominican amber

55. *Pachychernes* aff. *subrobustus* (Balzan, 1892) ..... Qt–R Colombian copal

WITHIIDAE Chamberlin, 1931*b* ..... **Palaeogene – Recent**

Withiidae indet. *in* Ahrens *et al*. (2019) ..... Pa Bitterfeld amber

† ***Beierowithius* Mahnert, 1979** ..... **Palaeogene**

56. *Beierowithius sieboldtii* (Menge *in* Koch & Berendt 1854)* ..... Pa Baltic amber

***Withius* Kew, 1911** ..... **Quaternary – Recent**

57. *Withius eucarpus* (Dalman, 1826) ..... Qt East African opal

NOMUM DUBIUM

1. *Chelifer ehrenbergii* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

NOMUM NUDUM

1. *Chelifer fossilis* Weyenbergh, 1874 ..... J Solnhofen

4,081 Recent species

SOLIFUGAE

6 currently valid species of camel spider

- *Schneidarachne* appears to show some solifuge-like features and was tentatively assigned to the stem-lineage of this order; for convienience it is listed here alongside the camel spiders
- a family name Protosolpugidae has been proposed for *Protosolpuga*, but was not recognised in most of the subsequent literature – cf. Selden & Shear's (1996) revision

stem-lineage?

† ***Schneidarachne*** **Dunlop & Rössler, 2003** ..... **Carboniferous**

1. *Schneidarachne saganii* Dunlop & Rössler, 2003* ..... C Kamienna Góra

SOLIFUGAE Sundevall, 1833 ..... Carbon. – Recent

SOLIFUGAE *INCERTAE SEDIS*

† ***Protosolpuga*** **Petrunkevitch, 1913** ..... **Carboniferous**

2. *Protosolpuga carbonaria* Petrunkevitch, 1913* ..... C Mazon Creek

† ***Cushingia*** **Dunlop, Bird, Brookhart & Bechly 2015** ..... **Cretaceous**

3. *Cushingia ellenbergeri* Dunlop, Bird, Brookhart & Bechly 2015* ..... K Burmese Amber

AMMOTRECHIDAE Roewer, 1934 ..... **Neogene – Recent**

† ***Happlodontus*** **Poinar & Santiago-Blay, 1989** ..... **Neogene**

4. *Happlodontus proterus* Poinar & Santiago-Blay, 1989* ..... Ne Dominican amber

CEROMIDAE Roewer, 1933 ..... **Cretaceous – Recent**

† ***Cratosolpuga*** **Selden *in* Selden & Shear, 1996** ..... **Cretaceous**

5. *Cratosolpuga wunderlichi* Selden *in* Selden & Shear, 1996* ..... K Crato Formation

DAESIIDAE Kraepelin, 1899 ..... **Palaeogene – Recent**

† ***Palaeoblossia*** **Dunlop, Wunderlich & Poinar, 2004** ..... **Palaeogene**

6. *Palaeoblossia groehni* Dunlop, Wunderlich & Poinar, 2004* ..... Pa Baltic amber

EREMOBATIDAE Kraepelin, 1901 ..... **Recent**

no fossil record

GALEODIDAE Sundevall, 1833 ..... **Recent**

no fossil record

GYLIPPIDAE Roewer, 1933 ..... **Recent**

no fossil record

HEXISOPODIDAE Pocock, 1897 ..... **Recent**

no fossil record

KARSCHIIDAE Kraepelin, 1899 ..... **Recent**

no fossil record

MELANOBLOSSIDAE Roewer, 1933 ..... **Recent**

no fossil record

MUMMUCIIDAE Roewer, 1934 ..... **Recent**

no fossil record

RHAGODIDAE Pocock, 1897 ..... **Recent**

no fossil record

SOLPUGIDAE Leach, 1815 ..... **Recent**

no fossil record

1,206 Recent species

PALPIGRADI

2 currently valid species of fossil palpigrade

PALPIGRADI Thorell, 1888 ..... **Cretaceous – Recent**

= MICROTHELYPHONIDA Grassi & Calandruccio, 1885

family uncertain

† ***Paleokoenenia*** **Rowland & Sissom, 1980** ..... **Neogene**

1. *Paleokoenenia mordax* Rowland & Sissom, 1980* ..... Ne Onyx Marble

EUKOENENIIDAE Petrunkevitch, 1955*a* ..... **Cretaceous – Recent**

† ***Electrokoenenia*** **Engel & Huang *in* Engel *et al*., 2016** ..... **Cretaceous**

2. *Electrokoenenia yaksha* Engel & Huang *in* Engel *et al*., 2016* ..... K Burmese amber

PROKOENENIIDAE Condé, 1996 ..... **Recent**

no fossil record

MISIDENTIFICATIONS

1. *Sternarthron zitteli* Haase, 1890 [insect] ..... J Solnhofen
2. *Sternarthron zitteli* var. *minor* (Oppenheim, 1887) [insect] ..... J Solnhofen

137 Recent species

ACARI: PARASITIFORMES

22 currently valid species of fossil parasitiform mite

- higher systematics and sequence of taxa follows the third edition of *A Manual of Acarology* (Krantz & Walter, eds, 2009), except that their orders are listed here as suborders, and suborders as infraorders to achieve some degree of consistency with other arachnid higher taxa throughout this list

PARASITIFORMES Reuter, 1909 ..... **Cretaceous – Recent**

= ANACTINOTRICHIDA author, date?

OPILIOACARIDA Zachvatkin, 1952 (suborder) ..... **Cretaceous – Recent**

= NOTOSTIGMATA author, date?

OPILIOACAROIDEA Vitzthum, 1931 ..... **Cretaceous – Recent**

OPILIOACARIDAE Vitzthum, 1931 ..... **Cretaceous – Recent**

= NEOACARIDAE Chamberlin & Mulaik, 1942

***Opilioacarus* With, 1902** ..... **?Cretaceous – Recent**

1. *?Opilioacarus aenigmus* Dunlop, Sempf & Wunderlich, 2010 ..... Pa Baltic amber
2. ?*Opilioacarus groehni* Dunlop & Bernardi, 2014 ..... K Burmese amber

***Paracarus* Chamberlin & Mulaik, 1942** ..... **Palaeogene – Recent**

3. *Paracarus pristinus* Dunlop, Wunderlich & Poinar, 2004 ..... Pa Baltic amber

HOLOTHYRIDA Thorell, 1882 (suborder) ..... **Recent**

= TETRASTIGMATA author, date?

HOLOTYHROIDEA Thorell, 1882 ..... **Recent**

ALLOTHYRIDAE van der Hammen, 1972 ..... **Recent**

no fossil record

HOLOTHYRIDAE Thorell, 1882 ..... **Recent**

no fossil record

NEOTHYRIDAE Lehtinen, 1981 ..... **Recent**

no fossil record

IXODIDA Leach, 1815 (suborder) ..... **Cretaceous – Recent**

= METASTIGMATA author, date?

NUTALLIELLIDAE Schulze, 1935 ..... **Recent**

no fossil record

† **DEINOCROTONIDAE Peñalver, Arillo, Anderson & Pérez-de la Fuente *in* Peñalver**

***et al*., 2017** ..... **Cretaceous**

† ***Deinocroton* Peñalver, Arillo, Anderson & Pérez-de la Fuente *in* Peñalver *et al*., 2017** ..... **Cretaceous**

4. *Deinocroton copia* Chitimia-Dobler, Mans & Dunlop *in* Chitimia-Dobler *et al*., 2022 ..... K Burmese amber
5. *Deinocroton draculi* Peñalver, Arillo, Anderson & Perez-de la Fuente *in* Peñalver *et al*., 2017* ..... K Burmese amber

† **KHIMAIRIDAE Chitimia-Dobler, Mans & Dunlop *in* Chitimia-Dobler *et al*., 2022** ..... **Cretaceous**

† ***Khimaira* Chitimia-Dobler, Mans & Dunlop *in* Chitimia-Dobler *et al*., 2022** ..... **Cretaceous**

6. *Khimaira fossus* Chitimia-Dobler, Mans & Dunlop *in* Chitimia-Dobler *et al*., 2022* ..... K Burmese amber

ARGASIDAE Murray, 1877 ..... **Cretaceous – Recent**

***Carios* Latreille, 1796** ..... **Cretaceous – Recent**

7. *Carios jerseyi* Klompen & Grimaldi, 2001 ..... K New Jersey amber

***Ornithodoros* C. L. Koch, 1844** ..... **Neogene – Recent**

8. *Ornithodoros antiquus* Poinar, 1995 ..... Ne Dominican amber

IXODIDAE Banks, 1907 ..... **Cretaceous – Recent**

a putative *Hyalomma* in Baltic amber in de la Fuente (2003) is probably a caeculid mite, but see Estrada-Peña & de la Fuente (2018)

***Amblyomma* C. L. Koch, 1844** ..... **Cretaceous – Recent**

9. *Amblyomma* near *argentinae* Neumann, 1905 **[Recent]** (as *testudinis*) *in* Lane & Poinar (1986) ..... Ne–R Dominican amber
10. *Amblyomma birmitum* Chitima-Dobler, Araujo, Ruthensteiner, Pfeffer & Dunlop, 2017 ..... K Burmese amber
11. *Amblyomma* near *dissimile* C. L. Koch, 1844 **[Recent]** *in* Kierens *et al*. (1986) ..... Ne–R Dominican amber

Amblyomma sp. (Klompen *in* Grimaldi *et al*. 2002) ..... K Burmese amber

† ***Compluriscutula* Poinar & Buckley, 2008** ..... **Cretaceous**

12. *Compluriscutula vetulum* Poinar & Buckley, 2008* ..... K Burmese amber

† ***Cornupalpatum* Poinar & Brown, 2003** ..... **Cretaceous**

13. *Cornupalpatum burmanicum* Poinar & Brown, 2003* ..... K Burmese amber

***Dermacentor* C. L. Koch, 1844** ..... **Neogene – Recent**

14. *Dermacentor* nr. *reticulatus* (Fabricius, 1794) **[Recent]** (*in* Kulczyński *in* Schille 1916) ..... Ne–R in a Rhino's ear

***Haemaphysalis* C. L. Koch, 1844** ..... **Cretaceous – Recent**

15. *Haemaphysalis* (*Alloceraea*) *cretacea* Chitimia-Dobler, Pfeffer & Dunlop, 2018 ..... K Burmese amber

***Ixodes* Latreille, 1795** ..... **Cretaceous – Recent**

16. *Ixodes antiquorum* Chitimia-Dobler, Mans & Dunlop *in* Chitimia-Dobler

et al., 2022 ..... K Burmese amber

17. *Ixodes sigelos* Keirans, Clifford & Corwin, 1976 **[Recent]** ..... Qt Argentina
18. *Ixodes* (*Partipalpiger*) *succineus* Weidner, 1964 ..... Pa Baltic amber

MESOSTIGMATA G. Canestrini, 1891 (suborder) ..... **Cretaceous – Recent**

= GAMASIDA Leach, 1815

SEJIDA Kramer, 1885 (infraorder) ..... **Cretaceous – Recent**

= LIROASPINA author, date?

= TRICHOPYGIDIINA author, date?

SEJOIDEA Berlese, 1885 ..... **Cretaceous – Recent**

ICHTHYOSTOMATOGASTERIDAE Sellnick, 1953 ..... **Recent**

no fossil record

SEJIDAE Berlese, 1885 ..... **Cretaceous – Recent**

= LIROASPIDIDAE Trägårdh, 1946

Sejidae indet. *in* Joharchi *et al*. (2021) ..... K Burmese amber

UROPODELLIDAE Camin, 1955 ..... **Recent**

no fossil record

TRIGYNASPIDA Camin & Gorirossi, 1955 (infraorder) ..... **Recent**

CERCOMEGISTINA Camin & Gorirossi, 1955 (cohort) ..... **Recent**

CERCOMEGISTOIDEA Trägårdh, 1937 ..... **Recent**

ASTERNOSEIIDAE Vale, 1955 ..... **Recent**

no fossil record

CERCOMEGISTIDAE Trägårdh, 1937 ..... **Recent**

no fossil record

DAVACARIDAE Kethley, 1979 ..... **Recent**

no fossil record

PYROSEJIDAE Lindquist & Moraza, 1993 ..... **Recent**

no fossil record

SALTISEIIDAE Walter, 2000 ..... **Recent**

no fossil record

SEIODIDAE Kethley, 1979 ..... **Recent**

no fossil record

ANTENNOPHORINA Berlese, 1882 (cohort) ..... **Recent**

ANTENNOPHOROIDEA Berlese, 1892 ..... **Recent**

ANTENNOPHORIDAE Berlese, 1892 ..... **Recent**

no fossil record

CELAENOPSOIDEA Berlese, 1892 ..... **Recent**

CELAENOPSIDAE Berlse, 1892 ..... **Recent**

no fossil record

COSTACARIDAE Hunter, 1993 ..... **Recent**

no fossil record

DIPLOGYNIIDAE Trägårdh, 1941 ..... **Recent**

no fossil record

EUZERCONIDAE Trägårdh, 1938 ..... **Recent**

no fossil record

MEGACELAENOPSIDAE Funck, 1975 ..... **Recent**

no fossil record

MEINERTULIDAE Trägårdh, 1950 ..... **Recent**

no fossil record

NEOTENOGYNIIDAE Kethley, 1974 ..... **Recent**

no fossil record

SCHIZOGYNIIDAE Trägårdh, 1950 ..... **Recent**

no fossil record

TRIPLOGYNIIDAE Funck, 1977 ..... **Recent**

no fossil record

PARAMEGISTOIDEA Trägårdh, 1946 ..... **Recent**

PARAMEGISTIDAE Trägårdh, 1946 ..... **Recent**

no fossil record

FEDRIZZIOIDEA Trägårdh, 1937 ..... **Recent**

FEDRIZZIIDAE Trägårdh, 1937 ..... **Recent**

no fossil record

KLINCKOWSTROEMIIDAE Camin & Gorirossi, 1955 ..... **Recent**

no fossil record

PROMEGISTIDAE Kethley, 1979 ..... **Recent**

no fossil record

MEGISTHANOIDEA Berlese, 1914 ..... **Recent**

HOPLOMEGISTIDAE Camin & Gorirossi, 1955 ..... **Recent**

no fossil record

MEGISTHANIDAE Berlese, 1914 ..... **Recent**

no fossil record

PARANTENNULOIDEA Willmann, 1940 ..... **Recent**

PARANTENNULIDAE Willmann, 1940 ..... **Recent**

no fossil record

PHILODANIDAE Kethley, 1977*b* ..... **Recent**

no fossil record

AENICTEQUOIDEA Kethley, 1979 ..... **Recent**

AENICTEQUIDAE Kethley, 1979 ..... **Recent**

no fossil record

EUPHYSALOZERCONIDAE Kim, 2008..... **Recent**

no fossil record

MESSORACARIDAE Kethley, 1977 ..... **Recent**

no fossil record

PHYSALOZERCONIDAE Kethley, 1977 ..... **Recent**

no fossil record

PTOCHACARIDAE Kethley, 1979 ..... **Recent**

no fossil record

MONOGYNASPIDA Camin &Goriossi, 1955 (infrorder) ..... **Palaeogene – Recent**

MICROGYNIINA Trägårdh, 1942 (cohort) ..... **Palaeogene –Recent**

MICROGYNIOIDEA Trägårdh, 1942 ..... **Palaeogene –Recent**

Microgynoidea sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

MICROGYNIIDAE Trägårdh, 1942 ..... **Recent**

= MICROSEJIDAE Trägårdh, 1942

no fossil record

NOTHOGYNIDAE Walter & Kranz, 1999 ..... **Recent**

no fossil record

HEATHERELLINA author, date? (cohort) ..... **Recent**

HEATHERELLOIDEA Walter, 1997 ..... **Recent**

HEATHERELLIDAE Walter, 1997 ..... **Recent**

no fossil record

UROPODOIDEA Kramer, 1881 (cohort) ..... **Palaeogene – Recent**

UROPODIAE Kramer, 1881 (subcohort) ..... **Palaeogene – Recent**

PROTODINYCHOIDEA Evans, 1957 ..... **Recent**

PROTODINYCHIDAE Evans, 1957 ..... **Recent**

no fossil record

THINOZERCONOIDEA Halbert, 1915 ..... **Recent**

THINOZERCONIDAE Halbert, 1915 ..... **Recent**

no fossil record

POLYASPIDOIDEA Berlese, 1913 ..... **Recent**

DITHINOZERCONIDAE Ainscough, 1979 ..... **Recent**

no fossil record

POLYASPIDIDAE Berlese, 1913 ..... **Recent**

no fossil record

TRACHYTIDAE Trägårdh, 1938 ..... **Recent**

no fossil record

UROPODOIDEA Kramer, 1881 ..... **Palaeogene – Recent**

BALOGHJKASZABIIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

BRASILUROPODIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

CILLIBIDAE Trägårdh, 1944 ..... **Recent**

no fossil record

CLAUSIADINYCHIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

CIRCOCYLLIBAMIDAE Sellnick, 1926 ..... **Recent**

no fossil record

CYLLIBULIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

DERAIOPHORIDAE Trägårdh, 1952 ..... **Recent**

no fossil record

DINYCHIDAE Berlese, 1916 ..... **Recent**

no fossil record

DISCOURELLIDAE Baker & Wharton, 1952 ..... **Recent**

no fossil record

EUTRACHYTIDAE Trägårdh, 1944..... **Recent**

no fossil record

HUTUFEIDERIIDAE Hirschmann, 1979..... **Recent**

no fossil record

KASZABJBALOGHIIDAE Hirschmann, 1979..... **Recent**

no fossil record

MACRODINYCHIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

METAGYNURIDAE Balogh, 1943 ..... **Recent**

no fossil record

NENTERIIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

OPLITIDAE Johnston, 1968 ..... **Recent**

no fossil record

PHYMATODISCIDAE Hirschmann, 1979..... **Recent**

no fossil record

PRODINYCHIDAE Berlese, 1917..... **Recent**

no fossil record

ROTUNDABALOGHIIDAE Hirschmann, 1979..... **Recent**

no fossil record

TERASEJASPIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

TREMATURIDAE Berlese, 1917 ..... **?Palaeogene – Recent**

= TREMATURELLIDAE Trägårdh, 1944

?Trematuridae *in* Lyubarsky & Perkovsky (2012) ..... Pa Rovno amber

***Trichouropoda* Berlese, 1916** ..... **?Palaeogene – Recent**

?*Trichouropoda* sp. [as *Oodinychus* sp.] *in* Ramsay (1960) ..... Qt New Zealand

TRICHOCYLLIBIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

TRICHOUROPODELLIDAE Hirschmann, 1979 ..... **Recent**

no fossil record

TRIGONUROPODIDAE Hirschmann *in* Wisniewski, 1979 ..... **Recent**

no fossil record

UROACTINIIDAE Hirschmann & Zirngiebl-Nicol, 1964 ..... **Recent**

no fossil record

URODIASPIDIDAE Trägårdh, 1944 ..... **Recent**

no fossil record

URODINYCHIDAE Berlese, 1917 ..... **Palaeogene – Recent**

***Uroobovella* Berlese, 1903** ..... **?Palaeogene – Recent**

?*Uroobovella* sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

UROPODIDAE Kramer, 1881 ..... **Recent**

no fossil record

TRACHYUROPODOIDEA Berlese, 1917 ..... **Recent**

TRACHYUROPODIDAE Berlese, 1917 ..... **Recent**

no fossil record

DIARTHROPHALLIAE Trägårdh, 1946 (subcohort) ..... **Recent**

DIARTHROPHALLOIDEA Trägårdh, 1946 ..... **Recent**

DIARTHROPHALLIDAE Trägårdh, 1946 ..... **Recent**

no fossil record

HETEROZERCONINA author, date? (cohort) ..... **Recent**

HETEROZERCONOIDEA Berlese, 1892 ..... **Recent**

DISCOZERCONIDAE Berlese, 1910 ..... **Recent**

no fossil record

HETEROZERCONIDAE Berlese, 1892 ..... **Recent**

no fossil record

GAMASINA Kramer, 1881 (cohort) ..... **Palaeogene – Recent**

Gamasina indet. *in* Perkovsky *et al*. (2007) ..... Pa Rovno amber

EPICRIIAE Vitzthum, 1938 (subcohort) ..... **Neogene – Recent**

EPICRIOIDEA Berlese, 1885 ..... **Recent**

EPICRIIDAE Berlese, 1885 ..... **Recent**

no fossil record

ZERCONOIDEA Berlese, 1892 ..... **Neogene – Recent**

COPROZERCONIDAE Moraza & Lindquist, 1999 ..... **Recent**

no fossil record

ZERCONIDAE Berlese, 1892 ..... **Neogene – Recent**

† ***Paleozercon* Błaszak, Cokendolpher & Polyak, 1995** ..... **Neogene**

19. *Paleozercon cavernicolus* Błaszak, Cokendolpher & Polyak, 1995 ..... Ne New Mexico

ARCTACARIAE Johnston, 1982 (subcohort) ..... **Recent**

ARCTACAROIDEA Evans, 1955 ..... **Recent**

ARCTACARIDAE Evans, 1955 ..... **Recent**

no fossil record

PARASITIAE Reuter, 1909 (subcohort) ..... **Palaeogene – Recent**

PARASITOIDEA Oudemans, 1901 ..... **Palaeogene – Recent**

PARASITIDAE Oudemans, 1901 ..... **Palaeogene – Recent**

?Parasitidae indet. *in* Dunlop & Falkenhagen (2014) ..... Qt Germany

***Aclerogamasus* Athias, 1971** ..... **Palaeogene – Recent**

20. *Aclerogamasus stenocornis* Witaliński, 2000 ..... Pa Baltic amber

***Gamasus* Latreille, 1802** ..... **?Palaeogene – Recent**

21. *Gamasus fossils* Mani, 1945 [generic affinities questionable] ..... Pa Worli Hill, India

DERMANYSSIAE Evans & Till, 1997 (subcohort) ..... **Palaeogene – Recent**

VEIGAIOIDEA Oudemans, 1939 ..... **Recent**

VEIGAIIDAE Oudemans, 1939 ..... **Recent**

= GAMASOLAELAPTIDAE Oudemans, 1939

no fossil record

RHODACAROIDEA Oudemans, 1902 ..... **Palaeogene – Recent**

DIGAMASELLIDAE Evans, 1954 ...[or 57?]..... **Palaeogene – Recent**

Digamasellidae sp. *in* Perkovsky *et al*. (2007)..... Pa Rovno amber

Dendrolaelaps **Halbert, 1915** ..... **Neogene – Recent**

22. *Dendrolaelaps fossilis* Hirschman, 1971 ..... Ne Chiapas amber

EURYPARASITIDAE d'Antony, 1987 ..... **Recent**

no fossil record

GAMASIPHIDAE author, date? ..... **Recent**

no fossil record

LAELAPTONYSSIDAE Womersley, 1956 ..... **Recent**

no fossil record

OLOGAMASIDAE Ryke, 1962 ..... **Recent**

no fossil record

PANTENIPHIDIDAE d'Antony, 1987 ..... **Recent**

no fossil record

RHODACARIDAE Oudemans, 1902 ..... **Recent**

no fossil record

TERANYSSIDAE Halliday, 2006 ..... **Recent**

no fossil record

EVIPHIDOIDEA Berlese, 1913 ..... **Quaternary–Recent**

EVIPHIDIDAE Berlese, 1913 ..... **Recent**

no fossil record

MACROCHELIDAE Vitzthum, 1930 ..... **Quaternary–Recent**

Macrocheles **Latreille, 1829** ..... **Quaternary–Recent**

Macrocheles sp. *in* Ramsay (1960) ..... Qt New Zealand

MEGALOLAELAPIDAE author, date? ..... **Recent**

no fossil record

PACHYLAELAPIDAE Berlese, 1913 ..... **Recent**

= NEOPARASITIDAE Oudemans, 1939

= BULBOGAMASIDAE Gu, Wang & Duan, 1991

no fossil record

PARHOLASPIDIDAE Evans, 1956 ..... **Recent**

no fossil record

ASCOIDEA Oudemans, 1905 ..... **Palaeogene – Recent**

AMEROSEIIDAE Evans *in* Hughs, 1961 ..... **Recent**

no fossil record

ASCIDAE Voigts & Oudemans, 1905 ..... **?Palaeogene – Recent**

?Ascidae sp. *in* Dunlop *et al*. (2013) ..... Pa Baltic amber

HALOLAELAPIDAE Karg, 1965 ..... **Recent**

no fossil record

MELICHARIDAE Hirschmann, 1962 ..... **Recent**

no fossil record

PODOCINIDAE Berlese, 1913 ..... **Quarternary – Recent**

Podocinidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

PHYTOSEIOIDEA Berlese, 1916 ..... **Recent**

BLATTISCOIIDAE Garman, 1948 ..... **Recent**

no fossil record

OTOPHEIDOMENIDAE Treat, 1955 ..... **Recent**

no fossil record

PHYTOSEIIDAE Berlese, 1916 ..... **Recent**

no fossil record

DERMANYSSOIDEA Kolenati, 1859 ..... **Palaeogene – Recent**

DASYPONYSSIDAE Fonseca, 1940 ..... **Recent**

no fossil record

DERMANYSSIDAE Kolenati, 1859 ..... **Recent**

no fossil record

ENTONYSSIDAE Ewing, 1922 ..... **Recent**

no fossil record

HAEMOGAMASIDAE Oudemans, 1939 ..... **Recent**

no fossil record

HALARACHNIDAE Oudemans, 1906 ..... **Recent**

no fossil record

HIRSTIONYSSIDAE Evans & Till, 1966 ..... **Recent**

no fossil record

HYSTRICHONYSSIDAE Keegan, Yunker & Baker, 1960 ..... **Recent**

no fossil record

IPHIOPSIDIDAE Kramer, 1886 ..... **Recent**

no fossil record

IXODORHYNCHIDAE Ewing, 1923 ..... **Recent**

no fossil record

LAELAPIDAE Berlese, 1892 ..... **Palaeogene – Recent**

***Myrmozercon* Berlese, 1902** ..... **Palaeogene – Recent**

Myrmozercon sp. *in* Dunlop *et al*. (2014) ..... Pa Baltic amber

LARVAMIMIDAE Elzinga, 1993 ..... **Recent**

no fossil record

LEPTOLAELAPIDAE Karg, 1978 ..... **Recent**

no fossil record

MACRONYSSIDAE Oudemans , 1936 ..... **Recent**

no fossil record

MANITHERIONYSSIDAE Radovsky & Yunker, 1971 ..... **Recent**

no fossil record

OMENTOLAELAPTIDAE Fain, 1961 ..... **Recent**

no fossil record

PNEUMOPHIONYSSIDAE Fonseca, 1940 ..... **Recent**

no fossil record

RAILLIETIIDAE Vitzthum, 1942 ..... **Recent**

no fossil record

RHINONYSSIDAE Trouessart, 1895 ..... **Recent**

no fossil record

SPELAEORHYNCHIDAE Oudemans, 1902 ..... **Recent**

no fossil record

SPINTURNICIDAE Oudemans, 1902 ..... **Recent**

no fossil record

TRICHOASPIDIDAE Gu, Wang & Li, 1991 …….....…..... **Recent**

no fossil record

VARROIDAE Delfinado & Baker, 1974 …….....…..... **Recent**

no fossil record

nomina dubia

1. *Ixodes tertiarius* Scudder, 1885 …….....…….…….Pa Wyoming
2. *Sejus bdelloides* C. L. Koch & Berendt, 1854 ……..…… Pa Baltic amber
   not a parasitiform mite, probably ?Anystoidea *incertae sedis* according to Dunlop *et al*. (2018)

c. 12,500 Recent species

ACARIFORMES

347 currently valid species of fossil acariform mite

- higher systematics and sequence of taxa follows the third edition of *A Manual of Acarology* (Krantz & Walter, eds, 2009), except that their orders are listed here as suborders, and suborders as infraorders to achieve some degree of consistency with other arachnid higher taxa throughout this list
- a putative Ordovician mite described by Bernini *et al*. (2002) and assigned to the derived Brachypylina group of the oribatids remains controversial and is not formally listed below
- several fossils from the Triassic of India were described (Kumar & Kumar 1999) and subsequently named (Kumar 2004) as fossil lice, but are almost certainly prostigmatid and oribatid mites probably representing modern contaminents (Dalgleish *et al*. 2006)

ACARIFORMES Zachvatkin, 1952 ..... **Devonian – Recent**

= ACTINOTRICHIDA author, date?

TROMBIDIFORMES Reuter, 1909 (suborder)..... **Devonian – Recent**

SPHAEROLICHIDA OConnor, 1984 (infraorder)..... **Recent**

LORDALYCOIDEA Grandjean, 1939 ..... **Recent**

LORDALYCHIDAE Grandjean, 1939..... **Recent**

= HYBALICIDAE Theron, 1974

no fossil record

SPHAEROLICHOIDEA Berlese, 1913 ..... **Recent**

SPHAEROLICHIDAE Berlese, 1913 ..... **Recent**

no fossil record

PROSTIGMATA Kramer, 1877 (infraorder) ..... **Devonian – Recent**

LABIDOSTOMMATIDES Lindquist, Krantz & Walter, 2009 (s.cohort) **Palaeogene – Recent**

LABIDOSTOMMATOIDEA Oudemans, 1906 ..... **Palaeogene – Recent**

LABIDOSTOMMATIDAE Oudemans, 1906 ..... **Palaeogene – Recent**

= NICOLETIELLIDAE Canestrini, 1891

Labidostomatidae sp. *in* Sidorchuk & Bertrand (2013) ..... Pa Rovno amber

Labidostomatidae sp. *in* Sidorchuk & Bertrand (2013) ..... Pa Bitterfeld amber

***Labidostomma* Kramer, 1879**..... **Palaeogene – Recent**

1. *Labidostomma* (*Nicoletiella*) *paleoluteum* Dunlop & Bertrand, 2011 ..... Pa Baltic amber
2. *Labidostomma* (*Pseudocornutella*) *electri* Sidorchuk & Bertrand, 2013 .. Pa Baltic amber

***Sellnickiella* Feider & Vasiliu, 1969**..... **Palaeogene – Recent**

3. *Sellnickiella balticae* Sidorchuk & Bertrand, 2013 ..... Pa Baltic amber

EUPODIDES Krantz, 1978 (supercohort) ..... **Devonian – Recent**

BDELLOIDEA Dugès, 1834 ..... **Cretaceous – Recent**

BDELLIDAE Dugès, 1834 ..... **Cretaceous – Recent**

Bdellidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Bdella* Latreille, 1795** ..... **Cretaceous – Recent**

4. *Bdella bicincta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
5. *Bdella bombycina* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
6. *Bdella obconica* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
7. *Bdella vetusta* Ewing, 1937 ..... K Canadian amber

***Bdellodes* Oudemans, 1937** ..... **Palaeogene – Recent**

8. *Bdellodes lata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Odontoscirus* Thor, 1913** ..... **Cretaceous – Recent**

9. *Odontoscirus cretacio* Porta, Proud, Michalik & Hernandez, 2020*b* ..... K Burmese amber

CUNAXIDAE Thor, 1902 ..... **Recent**

no fossil record

HALACAROIDEA Murray, 1877 ..... **Recent**

HALACARIDAE Murray, 1877 ..... **Recent**

no fossil record

PEZIDAE Harvey, 1990 ..... **Recent**

no fossil record

EUPODOIDEA C. L. Koch, 1842 ..... **Palaeogene – Recent**

COCCEUPODIDAE Jesionowska, 2010 ..... **Recent**

no fossil record

DENDOCHAETIDAE Oliver, 2008 ..... **Recent**

no fossil record

EUPODIDAE C. L. Koch, 1842 ..... **Palaeogene – Recent**

Eupodidae indet. *in* Moiseeva *et al*. (2022) ..... Pa South China

ERIORHYNCHIDAE Qin & Halliday, 1997 ..... **Recent**

no fossil record

PENTAPALPIDAE Oliver & Theron, 2000 ..... **Recent**

no fossil record

PENTHALEIDAE Oudemans, 1931 ..... **Recent**

no fossil record

PENTHALODIDAE Thor, 1933 ..... **Palaogene – Recent**

***Penthalodes* Murray, 1877**..... **Palaeogene – Recent**

10. *Penthalodes tristiculus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

PROTERORHAGIIDAE Lindquist & Palacios-Vargas, 1991 ..... **Recent**

no fossil record

RHAGIDIIDAE Oudemans, 1922 ..... **Paleogene – Recent**

Rhagidiidae indet. *in* Judson & Wunderlich (2003) ..... Pa Baltic amber

***Poecilophysis* O. P.-Cambridge, 1876** ..... **Paleogene – Recent**

?*Poecilophysis* sp. *in* Judson & Wunderlich (2003) ..... Pa Baltic amber

† ***Zachardia* Judson & Wunderlich, 2003** ..... **Paleogene**

11. *Zachardia flexipes* Judson & Wunderlich, 2003 ..... Pa Baltic amber

STRANDTMANNIIDAE Zacharda, 1979 ..... **Recent**

no fossil record

TYDEOIDEA Kramer, 1877 ..... **Devonian – Recent**

EREYNETIDAE Oudemans, 1931 ..... **Recent**

= MICROEREUNETIDAE Bottazzi, 1950

no fossil record

IOLINIDAE Pritchard, 1956 ..... **Recent**

no fossil record

TRIOPHTYDEIDAE Andrè, 1980..... **Recent**

= MEYERELLIDAE André, 1979

no fossil record

TYDEIDAE Kramer, 1877 ..... **Devonian – Recent**

† ***Palaeotydeus* Dubinin, 1962** ..... **Devonian – Recent**

12. *Palaeotydeus devonicus* Dubinin, 1962 ..... D Rhynie chert

† ***Parapotacarus* Dubinin, 1962** ..... **Devonian – Recent**

13. *Paraprotacarus hirsti* Dubinin, 1962 ..... D Rhynie chert

TETRAPODILI *sensu* Oudemans, 1923 ..... **Triassic – Recent**

TRIASACAROIDEA Lindquist & Sidorchuk *in* Sidorchuk *et al*., 2014 ..... **Triassic**

TRIASACARIDAE Lindquist & Sidorchuk *in* Sidorchuk *et al*., 2014 ..... **Triassic**

† ***Ampezzoa* Linquist & Grimaldi *in* Schmidt *et al*., 2012,** ..... **Triassic**

14. *Ampezzoa triassica* Lindquist & Grimaldi *in* Schmidt *et al*., 2012*..... Tr Italian amber

† ***Cheirolepidoptus* Sidorchuk & Lindquist *in* Sidorchuk *et al*. 2014**..... **Triassic**

15. *Cheirolepidoptus dolomiticus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2015* ..... Tr Italian amber

† ***Minyacarus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2014** ..... **Triassic**

16. *Minyacarus aderces* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2015* ... Tr Italian amber

† ***Triasacarus* Linquist & Grimaldi *in* Schmidt *et al*., 2012,** ..... **Triassic – Recent**

17. *Triasacarus fedelei* Lindquist & Grimaldi *in* Schmidt *et al*., 2012*..... Tr Italian amber

ERIOPHYOIDEA Nalepa, 1898 ..... **?Palaeogene – Recent**

DIPTILOMIOPIDAE Keifer, 1944 ..... **Recent**

no fossil record

ERIOPHYIDAE Nalepa, 1898 ..... **?Palaeogene – Recent**

***Aculops* Keifer, 1966** ..... **?Palaeogene – Recent**

18. *Aculops keiferi* Southcott & Lange, 1971 ..... ?Pa Australia

PHYTOPTIDAE Murray, 1877..... **Neogene – Recent**

= NALEPELLIDAE Roivainen, 1953

no fossil record

ANYSTIDES van der Hammen, 1972 (supercohort) ..... **Cretaceous – Recent**

ANYSTINA van der Hammen, 1972 (cohort) ..... **Cretaceous – Recent**

CAECULOIDEA Berlese, 1883 ..... **Paleogene – Recent**

CAECULIDAE Berlese, 1883 ..... **Paleogene – Recent**

***Procaeculus* Jacot, 1936** ..... **Paleogene – Recent**

19. *Procaeculus dominicensis* Coineau & Poinar, 2001 ..... Ne Dominican amber

20. *Procaeculus eridanosae* Coineau & Magowski, 1994 ..... Pa Baltic amber

Procaeculus sp. *in* Rivas *et al*. (2016) ..... Ne Dominican amber

ADAMYSTOIDEA Cunliffe, 1957 ..... **Recent**

ADAMYSTIDAE Cunliffe, 1957 ..... **Recent**

= SAXIDROMIDAE Coineau, 1974

no fossil record

ANYSTOIDEA Oudemans, 1902..... **Cretaceous – Recent**

ANYSTIDAE Oudemans, 1902 ..... **Cretaceous – Recent**

Anystidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Anystis* von Heyden, 1826** ..... **Cretaceous – Recent**

21. *Anystis malleator* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

22. *Anystis subnuda* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

23. *Anystis venustula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Mesoanystis* Zacharda *in* Zacharda & Krivoluckij, 1985**..... **Cretaceous**

24. *Mesoanystis taymirensis* Zacharda *in* Zacharda & Krivoluckij, 1985*..... K Siberian amber

† ***Palaeoerythracarus* Zacharda *in* Zacharda & Krivoluckij, 1985** ..... **Palaeogene**

25. *Palaeoerythracarus sachalinensis* Zacharda *in* Zacharda & Krivoluckij, 1985* ..... Pa Sachalin amber

PSEUDOCHEYLIDAE Oudemans, 1909 ..... **Recent**

= STIGMOCHEYLIDAE Kethley, 1990

no fossil record

TENERIFFIIDAE Thor, 1911*b* ..... **Paleogene – Recent**

Teneriffiidae sp. indet *in* Sayre *et al*. (1992) ..... Pa Baltic amber

PARATYDEOIDEA Baker, 1949 ..... **Paleogene – Recent**

PARATYDEIDAE Baker, 1949 ..... **Paleogene – Recent**

***Scolotydaeus* Berlese, 1910** ..... **Paleogene – Recent**

26. *Scolotydaeus vlaskini* Klimov *et al*., 2020 ..... Pa Rovno amber

***Tanytydeus* Theron, Meyer & Ryke, 1970** ..... **Paleogene – Recent**

27. *Tanytydeus pogrebnyaki* Klimov *et al*., 2020 ..... Pa Rovno amber

STIGMOCHEYLIDAE Kethley, 1990 ..... **Recent**

no fossil record

POMERANTZIOIDEA Baker, 1949 ..... **Recent**

POMERANTZIIDAE Baker, 1949 ..... **Recent**

no fossil record

PARASITENGONA Oudemans, 1909 (cohort) ..... **Cretaceous – Recent**

ERYTHRAIAE author, date? (subcohort) ..... **Cretaceous – Recent**

CALYPTOSTOMATOIDEA Oudemans, 1923 ..... **Recent**

CALYPTOSTOMATIDAE Oudemans, 1923 ..... **Palaeogene–Recent**

***Calyptostoma* Cambridge, 1875** ..... **Paleogene–Recent**

28. *Calyptostoma katyae* Konikiewicz, Wohltmann & Mąkol, 2016 ..... Pa Baltic amber

ERYTHRAEOIDEA Grandjean, 1947*a* ..... **Cretaceous – Recent**

larval Erythraeoidea *in* Zacharda & Krivoluckij (1985) ..... K Siberian amber

ERYTHRAEIDAE Robineau-Desvoidy, 1828 ..... **Cretaceous – Recent**

= LEPTIDAE Billberg, 1820

= BALUSTIIDAE Grandjean, 1947

= † PROTERYTHRAEIDAE Vercammen-Grandjean, 1973

Erythraeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

Erythraeidae indet *in* Poinar *et al*. (2010) ..... K Canadian amber

† ***Arytaena* Menge, 1854 *in* C. L. Koch & Berendt, 1854** ..... **Paleogene**

29. *Arytaena troguloides* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Balaustium* von Heyden, 1826** ..... **Paleogene – Recent**

30. *Balaustium illustris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Burerythrites* Konikiewicz & Mąkol, 2018** ..... **Cretaceous**

31. *Burerythrites pankowskii* Konikiewicz & Mąkol, 2018* ..... K Burmese amber

† ***Burphanolophus* Konikiewicz & Mąkol, 2018** ..... **Cretaceous**

32. *Burphanolophus joergwunderlichi* Konikiewicz & Mąkol, 2018* ..... K Burmese amber

***Erythraeus* Latrielle, 1806** ..... **Paleogene – Recent**

33. *Erythraeus bifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
34. *Erythraeus foveolatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
35. *Erythraeus hirsutus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
36. *Erythraeus lagopus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
37. *Erythraeus longipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
38. *Erythraeus proavus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
39. *Erythraeus procerus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
40. *Erythraeus raripilus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
41. *Erythraeus rostratus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
42. *Erythraeus saccatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Leptus* Latrielle, 1796** ..... **Cretaceous – Recent**

Leptus sp. *in* Arillo *et al*. (2018) ..... K San Just amber

43. *Leptus incertus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Pararainbowia* Dunlop, 2007** ..... **Cretaceous**

44. *Pararainbowia martilli* Dunlop, 2007* ..... K Crato Formation

† ***Proterythraeus* Vercammen-Grandjean, 1973** ..... **Cretaceous**

45. *Proterythraeus southcotti* Vercammen-Grandjean, 1973* ..... K Manitoba amber

SMARIDIDAE Vitzthum, 1929 ..... **Cretaceous – Recent**

Smarididae indet *in* Penney (2010) ..... Ne Dominican amber
Smarididae indet *in* Perkovsky *et al*. (2010) ..... Pa Dominican amber

† ***Burfessonia* Konikiewicz & Mąkol, 2018** ..... **Cretaceous**

46. *Burfessonia maryae* Konikiewicz & Mąkol, 2018* ..... K Burmese amber

***Fessonia* von Heyden, 1826** ..... **Paleogene – Recent**

47. *Fessonia grabenhorsti* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
48. *Fessonia groehni* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber
49. *Fessonia wunderlichi* Bartel, Konikiewicz, Mąkol, Wohltmann & Dunlop, 2015 ..... Pa Baltic amber

† ***Immensmaris* Dunlop, Frahnert & Mąkol, 2018** ..... **Cretaceous**

50. *Immensmaris chewbaccei* Dunlop, Frahnert & Mąkol, 2018* ..... K Burmese amber

TROMBIDIAE author, date? (subcohort) ..... **Cretaceous – Recent**

trombidiid mites?

51. *Megameropsis aquensis* Gourret, 1887 ..... Pa Aix-en-Provence

52. *Pseudopachygnathus maculatus* Gourret, 1887 ..... Pa Aix-en-Provence

AMPHOTROMBIOIDEA Zhang, 1998 ..... **Recent**

AMPHOTROMBIIDAE, Zhang, 1998 ..... **Recent**

no fossil record

ALLOTANAUPODOIDAE Zhang & Fan, 2007 ..... **Recent**

ALLOTANAUPODIDAE Zhang & Fan, 2007 ..... **Recent**

no fossil record

TANAUPODOIDEA Thor, 1935 ..... **Creteaceous – Recent**

TANAUPODIDAE Thor, 1935 ..... **Creteaceous – Recent**

= ?AMPHOTROMBIIDAE Zhang, 1998

= TANAUPODASTRIDAE Feider, 1959

† ***Atanaupodus*** **Judson & Mąkol, 2009** ..... **Cretaceous**

53. *Atanaupodus bakeri* Judson & Mąkol, 2009 ..... K Archingeay amber

Eothrombium **Berlese, 1910** ..... **Paleogene – Recent**

54. *Eothrombium fortesambiense* Mąkol, Konikiewicz & Klug, 2018 ..... Pa Baltic amber

† ***Propolyssenia*** **Mąkol, Konikiewicz & Klug, 2018** ..... **Paleogene**

55. *Propolyssenia wohltmanni* Mąkol, Konikiewicz & Klug, 2018* ..... Pa Baltic amber

CHYZERIOIDEA Womersley, 1954 ..... **Recent**

CHYZERIIDAE Womersley, 1954 ..... **Recent**

no fossil record

TROMBIDIOIDEA Leach, 1815 ..... **Paleogene – Recent**

ACHAEMENOTHROMBIIDAE Saboori, Wohltmann & Hakimitabar, 2010 ..... **Recent**

no fossil record

EUTROMBIDIIDAE Thor, 1935 ..... **Recent**

no fossil record

MICROTROMBIDIIDAE Thor, 1935 ..... **Paleogene – Recent**

Porttrombidium **Haitlinger, 2000** ..... **Paleogene – Recent**

56. *Porttrombidium gedanense* Konikiewicz, Sontag & Mąkol, 2016 ..... Pa Baltic amber

NEOTHROMBIIDAE Feider, 1955 ..... **Recent**

no fossil record

TROMBIDIIDAE Leach, 1815 ..... **Paleogene – Recent**

= PARATHROMBIIDAE Feider, 1959

Allothrombium **Berlese, 1903** ..... **Paleogene – Recent**

57. *Allothrombium clavipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

Paratrombium **Bruyant, 1910** ..... **Paleogene – Recent**

58. *Paratrombium rovniense* Konikiewicz & Mąkol, 2014 ..... Pa Rovno amber

Trombidium **Fabricius, 1775** ..... **Paleogene – Recent**

59. *Trombidium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

60. *Trombidium granulatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

61. *Trombidium heterotrichum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

62. *Trombidium scrobiculatum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

NB: the next family may be a synonym

WALCHIIDAE Ewing, 1946 ..... **Recent**

no fossil record

TROMBICULOIDEA Ewing, 1929 ..... **Cretaceous – Recent**

AUDYANIDAE Southcott, 1987 ..... **Recent**

no fossil record

JOHNSTONIANIDAE Thor, 1935 ..... **Neogene – Recent**

= NOTOTHROMBIIDAE Feider, 1959

† ***Palaeodiplothrombidium*** **Rivas & Vega, 2022** ..... **Neogene**

63. *Palaeodiplothrombidium microscutum* Rivas & Vega, 2022* ..... Ne Chiapas amber

NEOTROMBIDIIDAE Feider, 1959 ..... **Recent**

no fossil record

LEEUWENHOEKIIDAE Womersley, 1944 ..... **Recent**

no fossil record

TROMBELLIDAE Leach, 1815 ..... **Cretaceous – Recent**

Nothrotrombidium **Wormesley, 1954** ..... **Cretaceous – Recent**

64. *Nothrotrombidium myanmarum* Konikiewicz & Mąkol, 2018 ..... K Burmese amber

TROMBICULIDAE Ewing, 1929 ..... **Recent**

= VATACARIDAE Southcott, 1957

no fossil record

YUREBILLOIDEA Southcott, 1966 ..... **Recent**

YUREBILLIDAE Southcott, 1996 ..... **Recent**

no fossil record

HYDRACARNIDIAE van der Hoeven, 1849 (subcohort) ..... **Neogene – Recent**

= HYDRACHNIDIA author, date?

= HYDRACHNELLAE author, date?

Undetermined water mites

Hygrobatoidea, Arrenuroidea or Lebertiodea *in* Poinar (1985) ……..…Ne Dominican amber

HYDRYPHANTOIDEA Piersig, 1896 …… **Recent**

CTENOTHYADIDAE Lundblad, 1936 …… **Recent**

no fossil record

EUPATRELLIDAE Viets, 1935 …… **Recent**

no fossil record

HYDRODROMIDAE Viets, 1936 …… **Recent**

= DIPLODONTIDAE Lundblad, 1927

no fossil record

HYDRYPHANTIDAE Piersig, 1896 …… **Recent**

= PROTZIIDAE Viets, 1926

no fossil record

MALGASACARIDAE Tuzovskij, Gerecke & Goldschmidt, 2007 …… **Recent**

no fossil record

RHYNCHOHYDRACARIDAE Lundblad, 1936 …… **Recent**

= CHATHROSPERCHONIDAE Lundblad, 1936

no fossil record

TERATOTHYADIDAE Viets, 1929 …… **Recent**

no fossil record

THERMACARIDAE Sokolow, 1927 …… **Recent**

no fossil record

ZELANDOTHYADIDAE Cook, 1983 …… **Recent**

no fossil record

EYLAOIDEA Leach, 1815 …… **Recent**

APHEVIDERULICIDAE Gerecke, Smith & Cook, 1999…… **Recent**

no fossil record

EYLAIDAE Leach, 1815 …… **Recent**

no fossil record

LIMNOCHARIDAE Grube, 1859 ..... **Recent**

no fossil record

PIERSIGIIDAE Oudemans, 1902 ..... **Recent**

no fossil record

HYDROVOLZIOIDEA Thor, 1905 ..... **Recent**

ACHERONTACARIDAE Cook, 1967 ..... **Recent**

no fossil record

HYDROVOLZIIDAE Thor, 1905 ..... **Recent**

= POLYXOHALACARIDAE Motas, 1972

no fossil record

HYDRACHNOIDEA Leach, 1815 ..... **Recent**

HYDRACHNIDAE Leach, 1815 ..... **Recent**

no fossil record

LEBERTOIDEA Thor, 1900 ..... **Recent**

ACUCAPITIDAE Wiles, 1996 ..... **Recent**

no fossil record

ANISITSIELLIDAE Koenicke, 1910 ..... **Recent**

= MAMERSOPSIDAE Viets, 1914

no fossil record

BANDAKIOPSIDAE Panesar, 2004 ..... **Recent**

no fossil record

LEBERTIIDAE Thor, 1900 ..... **Recent**

no fossil record

NILOTONIIDAE Viets, 1929 ..... **Recent**

no fossil record

OXIDAE Viets, 1926 ..... **Recent**

no fossil record

RUTRIPALPIDAE Solokow, 1834 ..... **Recent**

no fossil record

SPERCHONTIDAE Thor, 1900 ..... **Recent**

no fossil record

STYGOTONIIDAE Cook, 1992 ..... **Recent**

no fossil record

TEUTONIDAE Koenike, 1910 ..... **Recent**

no fossil record

TORRENTICOLIDAE Piersig, 1902 ..... **Recent**

= ATRACTIDEIDAE Thor, 1902

no fossil record

HYGROBATOIDEA C. L. Koch, 1842 ..... **Recent**

ASTACOCROTONIDAE Thor, 1927 ..... **Recent**

no fossil record

ATURIDAE Thor, 1900 ..... **Recent**

= BRADYPODIDAE Thor, 1900 [preoccupied]

= AXONOPSIDAE Viets, 1929

= LJANIIDAE Thor, 1929

no fossil record

FELTRIIDAE Viets, 1926 ..... **Recent**

no fossil record

FERRADASIIDAE Cook, 1980 ..... **Recent**

no fossil record

FRONTIPODOPSIDAE Viets, 1931 ..... **Recent**

no fossil record

HYGROBATIDAE C. L. Koch, 1842*b* ..... **Recent**

no fossil record

LETHAXONIDAE Cook, Smith & Harvey, 2000 ..... **Recent**

no fossil record

LIMNESIIDAE Thor, 1900 ..... **Recent**

= NEOTORRENTICOLIDAE Lundblad, 1936

= EPALLAGOPODIDAE Viets, 1953

no fossil record

OMARTACARIDAE Cook, 1963 ..... **Recent**

no fossil record

PIONIDAE Thor, 1900 ..... **Recent**

= CURVIPEDIDAE Thor, 1900

= ACERCIDAE Thor, 1909

= FORELIIDAE Thor, 1923

= NAUTARACHNIDAE Walter, 1925

= HYDROCHOREUTIDAE Viets, 1942

no fossil record

PONTARACHNIDAE Koenicke, 1910 ..... **Recent**

no fossil record

UNIONICOLIDAE Oudemans, 1909 ..... **Recent**

= ATRACIDAE Thor, 1900

= NEUMANIIDAE Thor, 1923

no fossil record

WETTINIDAE Cook, 1956 ..... **Recent**

no fossil record

ARRENUROIDEA Thor, 1900 ..... **Neogene – Recent**

Family uncertain

† ***Protoarrenurus* Cook *in* Palmer, 1957** ..... **Neogene – Recent**

65. *Protoarrenurus convergens* Cook *in* Palmer, 1957* ..... Ne Mojave Desert

ACALYPTONOTIDAE Walter, 1911 ..... **Recent**

no fossil record

AMOENACARIDAE Smith & Cook, 1997 ..... **Recent**

no fossil record

ARENOHYDRACARIDAE Cook, 1974 ..... **Recent**

no fossil record

ARRENURIDAE Thor, 1900 ..... **Recent**

no fossil record

ATHIENEMANNIIDAE Viets, 1922 ..... **Recent**

= CHELOMIDEOPSIDAE Lundblad, 1962

no fossil record

BOGATIIDAE Motas & Tanasachi, 1938 ..... **Recent**

no fossil record

CHAPPUISIDIDAE Motas & Tanasachi, 1946 ..... **Recent**

no fossil record

GRETACARIDAE Viets, 1978 ..... **Recent**

no fossil record

HARPAGOPALPIDAE Viets, 1924 ..... **Recent**

no fossil record

HUNGAROHYDRACACARIDAE Motas & Tanasachi, 1959 ..... **Recent**

no fossil record

KANTACARIDAE Imamura, 1959 ..... **Recent**

no fossil record

KRENDOWSKIIDAE Viets, 1926 ..... **Recent**

no fossil record

LAVERSIIDAE Cook, 1955 ..... **Recent**

no fossil record

MIDEIDAE Thor, 1911a ..... **Recent**

no fossil record

MIDEOPSIDAE Koenicke, 1910 ..... **Recent**

no fossil record

MOMONIIDAE Viets, 1926 ..... **Recent**

= STYGOMOMONIDAE Szalay, 1943

no fossil record

NEOACARIDAE Motas & Tanasachi, 1947 ..... **Recent**

no fossil record

NIPPONACARIDAE Imamura, 1959 ..... **Recent**

no fossil record

NUDOMIDEOPSIDAE Smith, 1990 ..... **Recent**

no fossil record

UCHIDASTYGACARIDAE Imamura, 1956 ..... **Recent**

no fossil record

STYGOTHROMBIAE Thor, 1935 (subcohort) ..... **Recent**

STYGOTHROMBOIDEA Thor, 1935 ..... **Recent**

STYGOTHROMBIIDAE Thor, 1935 ..... **Recent**

ELEUTHERENGONIDES Oudemans, 1909 (supercohort) ..... **Cretaceous – Recent**

RAPHIGNATHINA Kethley, 1982 (cohort) ..... **Cretaceous – Recent**

MYOBIOIDEA Mégnin, 1877 ..... **Paleogene – Recent**

MYOBIIDAE Mégnin, 1877 ..... **Paleogene – Recent**

† ***Protohylomysobia* Sidorchuk & Bochkov *in* Sidorchuck *et al*. (2019)** ..... **Paleogene**

66. *Protohylomysobia erinaceophilus* Sidorchuk & Bochkov *in* Sidorchuk *et al*. (2019)* ..... Pa Baltic amber

PTERYGOSOMATOIDEA Oudemans, 1910 ..... **Cretaceous – Recent**

PTERYGOSOMATIDAE Oudemans, 1910 ..... **Cretaceous – Recent**

***Pimeliaphilus* Trägårdh, 1905** ..... **Cretaceous – Recent**

Pimeliaphilus sp. *in* Sidorchuk & Khaustov (2018*a*) ..... K Archingeay amber

RAPHIGNATHOIDEA Kramer, 1877 ..... **Paleogene – Recent**

BARBUTIIDAE Robaux, 1975 ..... **Paleogene – Recent**

***Barbutia* Oudemans, 1927** ..... **Paleogene – Recent**

67. *Barbutia theroni* Khaustov, Vorontsov, Perkovsky & Klimov, 2021*a* ..... Pa Rovno amber

CALIGONELLIDAE Grandjean, 1944 ..... **Recent**

no fossil record

CAMEROBIIDAE Southcott, 1957*a* ..... **Paleogene – Recent**

***Neophyllobius* Berlese, 1886** ..... **Paleogene – Recent**

68. *Neophyllobius electrus* Zmudzinski, 2020 ..... Pa Baltic amber

69. *Neophyllobius glaesus* Zmudzinski, 2020 ..... Pa Baltic amber

70. *Neophyllobius succineus* Bolland & Magowski, 1990 ..... Pa Baltic amber

CRYPTOGNATHIDAE Oudemans, 1902 ..... **Paleogene – Recent**

no fossil record

DASYTHYREIDAE Walter & Gerson, 1998 ..... **Recent**

no fossil record

EUPALOPSELLIDAE Willmann, 1952 ..... **Recent**

no fossil record

HOMOCALIGIDAE Wood, 1969 ..... **Recent**

no fossil record

MECOGNATHIDAE Gerson & Walter, 1998 ..... **Recent**

no fossil record

RAPHIGNATHIDAE Kramer, 1877 ..... **Recent**

no fossil record

STIGMAEIDAE Oudemans, 1931 ..... **Paleogene – Recent**

***Mediolata* Canestrini, 1890** ..... **Paleogene – Recent**

71. *Mediolata eocenia* Kuznetsov, Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

XENOCALIGONELLIDIDAE Gonzalez, 1978 ..... **Recent**

no fossil record

TETRANYCHOIDEA Donnadieu, 1876 ..... **Palaeogene – Recent**

ALLOCHAETOPHORIDAE Reck, 1959 ..... **Recent**

no fossil record

LINOTETRANIDAE Baker & Pritchard, 1953 ..... **Recent**

no fossil record

TENUIPALPIDAE Berlese, 1913 ..... **Recent**

no fossil record

TETRANYCHIDAE Donnadieu, 1876 ..... **Palaeogene – Recent**

= BRYOBIIDAE Berlese, date?

***Metatetranychus* Oudemans, 1931** ..... **Palaeogene – Recent**

72. *Metatetranychus gibbus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Schizotetranychus* Trägårdh, 1915** ..... **Palaeogene – Recent**

73. *Schizotetranychus brevipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

TUCKERELLIDAE Baker & Pritchard, 1953 ..... **Palaeogene – Recent**

***Tuckerella* Wormesley, 1940** ..... **Palaeogene – Recent**

74. *Tuckerella fossilibus* Khaustov, Sergeyenko & Perkovsky, 2014 ..... Pa Rovno / Bitt. amber

75. *Tuckerella weiterschani* Sidorchuk & Khaustov, 2018*b* ..... Pa Baltic amber

CHEYLETOIDEA Leach, 1815 ..... **Cretaceous – Recent**

CHEYLETIDAE Leach, 1815 ..... **Cretaceous – Recent**

Chelytidae sp. indet. *in* Bradley (1931) ..... Pa Green River

***Cheyletus* Latreille, 1796** ..... **Cretaceous – Recent**

76. *Cheyletus burmiticus* Cockerell, 1917*b* ..... K Burmese amber

77. *Cheyletus portentosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

DEMODECIDAE Nicolet, 1855 ..... **Recent**

no fossil record

HARPIRHYNCHIDAE Dubinin, 1957 ..... **Recent**

no fossil record

OPHIOPTIDAE Southcott, 1956 ..... **Recent**

no fossil record

PSORERGATIDAE Dubinin *in* Bregatova *et al*., 1955 ..... **Recent**

no fossil record

SYRINGOPHILIDAE Laviopierre, 1953 ..... **Recent**

no fossil record

HETEROSTIGMATA Berlese, 1899 (cohort) ..... **Cretaceous – Recent**

† **NASUTIACAROIDEA Sidorchuk & Lindquist *in* Sidirchuk *et al*., 2016** ..... **Cretaceous**

† **NASUTIACARIDAE Sidorchuk & Lindquist *in* Sidirchuk *et al*., 2016** ..... **Cretcaeous**

† ***Nasutiacarus* Sidorchuk & Lindquist *in* Sidirchuk *et al*., 2016** ..... **Cretcaeous**

78. *Nasutiacarus perplexus* Sidorchuk & Lindquist *in* Sidorchuk *et al*., 2016* ..... K French amber

TARSOCHEYLOIDEA Atyeo & Baker, 1964 ..... **Palaeogene – Recent**

TARSOCHEYLIDAE Atyeo & Baker, 1964 ..... **Palaeogene – Recent**

***Hoplochylus* Atyeo and Baker, 1964** ..... **Palaeogene – Recent**

79. *Hoplocheylus neosimilis* Khaustov, Vorontsov, Perkovsky & Klimov, 2021*a* (replacement name) ..... Pa Rovno amber

i. = *Hoplocheylus similis* Khaustov, Vorontsov, Perkovsky & Lindquist, 2021*b* (precoccupied) ..... Pa Rovno amber

HETEROCHEYLOIDEA Trägårdh, 1950 ..... **Recent**

HETEROCHEYLIDAE Trägårdh, 1950 ..... **Recent**

no fossil record

DOLICHOCYBOIDEA Mahunka, 1970 ..... **Palaeogene – Recent**

CROTALOMORPHIDAE Lindquist & Kranz, 2002 ..... **Recent**

no fossil record

DOLICHOCYBIDAE Mahunka, 1970 ..... **Palaeogene – Recent**

***Dolichocybe* Krantz,1957** ..... **Palaeogene – Recent**

80. *Dolichocybe elongata* Khaustov, Vorontsov, Perkovsky & Lindquist, 2021*b* ..... Pa Rovno amber

TROCHOMETRIDIOIDEA Mahunka, 1970 ..... **Recent**

ATHYREACARIDAE Lindquist Kaliszewski & Rack, 1990 ..... **Recent**

= BEMBIDIACARIDAE Khuastov, 2000

no fossil record

TROCHOMETRIDIIDAE Mahunka, 1970 ..... **Recent**

no fossil record

SCUTACAROIDEA Oudemans, 1916 ..... **Recent**

MICRODISPIDAE Cross, 1965 ..... **Recent**

no fossil record

SCUTACARIDAE Oudemans, 1916 ..... **Recent**

no fossil record

PYGEMEPHOROIDEA Cross, 1965 ..... **Palaeogene – Recent**

Pygmephoroidea sp. *in* Magowski (1995) ..... Pa Baltic amber

NEOPYGMEPHORIDAE Cross, 1965 ..... **Recent**

no fossil record

PYGMEPHORIDAE Cross, 1965 ..... **Recent**

no fossil record

SITEROPTIDAE Mahunka, 1970 ..... **Recent**

no fossil record

PYEMOTOIDEA Oudemans, 1937 ..... **Cretaceous – Recent**

ACAROPHENACIDAE Cross, 1965 ..... **Cretaceous – Recent**

***Paradactylidium* Mahunka, 1973** ..... **Palaeogene – Recent**

81. *Paradactylidium sineunguis* Khaustov, Vorontsov, Perkovsky & Lindquist, 2021*b* ..... Pa Rovno amber

† ***Proadactylidium* Khaustov, Vorontsov, Perkovsky & Lindquist, 2021*b*** ..... **Palaeogene**

82. *Proadactylidium fossibilis* Khaustov, Vorontsov, Perkovsky & Lindquist, 2021*b** ..... Pa Rovno amber

† ***Protophenax* Magowski, 1994** ..... **Cretaceous**

83. *Protophenax kotejii* Magowski, 1994* ..... K Russian amber

CARABOACARIDAE Mahunka, 1970 ..... **Recent**

no fossil record

PYEMOTIDAE Oudemans, 1937 ..... **Recent**

= TROCHOMETRIDAE Mahunka, 1970

***Pyemotes* Amerling, 1862** ..... **Palaeogene – Recent**

84. *Pyemotes primus* Khaustov & Perkovsky, 2010 ..... Pa Rovno amber

RESINACARIDAE Mahunka, 1975 ..... **Cretaceous –Recent**

***Protoresinacarus* Khaustov & Poinar, 2010** ..... **Cretaceous**

85. *Protoresinacarus brevipedis* Khaustov & Poinar, 2010* ..... K Burmese amber

TARSONEMOIDEA Canestrini & Fanzago, 1877 ..... **Quaternary – Recent**

PODAPOLIPIDAE Ewing, 1922 ..... **Recent**

no fossil record

TARSONEMIDAE Canestrini & Fanzango, 1877 ..... **Quaternary – Recent**

Tarsonemidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

Cohort *incertae sedis*

CLOACAROIDEA Camin, Moss, Oliver & Singer, 1967 ..... **Recent**

CLOACARIDAE Camin, Moss, Oliver & Singer, 1967 ..... **Recent**

no fossil record

EPIMYODICIDAE Fain, Lukoschus & Rosmalen, 1982 ..... **Recent**

no fossil record

SARCOPTIFORMES author, date? (suborder) ..... **Devonian – Recent**

ENDEOSTIGMATA author, date? (infraorder) ..... **Devonian – Recent**

= PACHYGNATHINA author, date?

ALYCINA author, date? (cohort)

ALYCOIDEA Canestrini & Fanzago, 1877 ..... **Devonian – Recent**

ALYCIDAE Canestrini & Fanzago, 1877 ..... **Devonian – Recent**

= PACHYGNATHIDAE Kramer, 1877

= BIMICHAELIIDAE Womersley, 1944

† ***Protacarus* Hirst, 1923** ..... **Devonian**

86. *Protacarus crani* Hirst, 1923* ..... D Rhynie chert

GRANDJEANICIDAE Kethley, 1977a ..... **Recent**

no fossil record

MICROPSAMMIDAE Coineau & Theorn, 1983 ..... **Recent**

no fossil record

NANORCHESTIDAE Grandjean, 1937 ..... **Devonian – Recent**

† ***Protospeleorchestes* Dubinin, 1962** ..... **Devonian – Recent**

87. *Protospeleorchestes pseudoprotacarus* Dubinin, 1962* ..... D Rhynie chert

NEMATALYCINA author, date? (cohort) ..... **Recent**

NEMATALYCOIDEA Strenke, 1954 ..... **Recent**

NEMATALYCIDAE Strenke, 1954 ..... **Recent**

no fossil record

PROTONEMATALYCIDAE Kethley, 1989 [superfamily correct?] ..... **Recent**

no fossil record

TERPNACARINA author, date? (cohort) ..... **Recent**

OEHSERCHESTOIDEA Kethley, 1977*a* ..... **Recent**

OEHSERCHESTIDAE Kethley, 1977*a* ..... **Recent**

no fossil record

TERPNACAROIDEA Grandjean, 1939 ..... **Recent**

TERPNACARIDAE Grandjean, 1939 ..... **Recent**

no fossil record

ALICORHAGIINA author, date? (cohort) ..... **Devonian – Recent**

ALICORHAGIOIDEA Grandjean, 1939 ..... **Devonian – Recent**

ALICORHAGIIDAE Grandjean, 1939 ..... **Devonian – Recent**

† ***Archaeacarus* Kethley & Norton *in* Kethley *et al*., 1989** ..... **Devonian**

88. *Archaeacarus dubinini* Kethley & Norton *in* Kethley *et al*., 1989* ..... D Gilboa

† ***Pseudoprotacarus* Dubinin, 1962** ..... **Devonian**

89. *Pseudoprotacarus scoticus* Dubinin, 1962* ..... D Rhynie chert

ORIBATIDA Dugès, 1834 (infraorder) ..... **Devonian – Recent**

= CRYPTOSTIGMATA author, date?

NB: see remarks on the Ordovician fossil above

PALAEOSOMATA Grandjean, 1969 (supercohort) ..... **Devonian–Recent**

family uncertain

† ***Marcvipeda* Pérez-DA, 1988** ..... **Palaeogene**

90. *Marcvipeda magallanes* Pérez-DA, 1988* [Acari *incertae sedis*?] ..... Pa Patagonia, Chile

ACARONYCHOIDEA Grandjean, 1932 ..... **Recent**

ACARONYCHIDAE Grandjean, 1932*b* ..... **Recent**

no fossil record

ARCHAEONOTHRIDAE Grandjean, 1932 ..... **Recent**

no fossil record

CTENACAROIDEA Grandjean, 1954*c* ..... **Devonian – Recent**

ADELPHACARIDAE Grandjean, 1954*c* ..... **Carbon. – Recent**

† ***Monoaphelacarus* Subías & Arillo, 2002** ..... **Carboniferous**

91. *Monoaphelacarus carboniferus* Subías & Arillo, 2002* ..... C County Antrim

APHELACARIDAE Grandjean, 1954*c* ..... **Recent**

no fossil record

CTENACARIDAE Grandjean, 1954*b* ..... **Devonian – Recent**

† ***Ctenacaronychus* Subías & Arillo, 2002** ..... **Devonian**

92. *Ctenacaronychus nortoni* Subías & Arillo, 2002* ..... D New York

† ***Palaeoctenacarus* Subías & Arillo, 2002** ..... **Carboniferous**

93. *Palaeoctenacarus simmsoi* Subías & Arillo, 2002* ..... C County Antrim

PALAEACAROIDEA Grandjean, 1932*b* ..... **Recent**

PALAEACARIDAE Grandjean, 1932*b* ..... **Recent**

no fossil record

ENARTHRONOTA Grandjean, 1947*b* (supercohort) ..... **Devonian – Recent**

superfamily uncertain

† **DEVONACARIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian**

† ***Devonacarus* Norton *in* Norton *et al*., 1988** ..... **Devonian**

94. *Devonacarus sellnicki* Norton *in* Norton *et al*., 1988* ..... D Gilboa

† **PROTOCHTHONIIDAE Norton *in* Norton *et al*., 1988** ..... **Devonian**

† ***Protochthonius* Norton *in* Norton *et al*., 1988** ..... **Devonian**

95. *Protochthonius gilboa* Norton *in* Norton *et al*., 1988* ..... D Gilboa

BRACHYCHTHONIOIDEA Thor, 1934 ..... **Paleogene – Recent**

BRACHYCHTHONIIDAE Thor, 1934 ..... **Paleogene – Recent**

***Brachychthonius* Berlese, 1910** ..... **Paleogene – Recent**

Brachychthonius sp. *in* Sellnick (1931) ..... Pa Baltic amber

ATOPOCHTHONIOIDEA Grandjean, 1948 ..... **Recent**

ATOPOCHTHONIIDAE Grandjean, 1948 ..... **Recent**

no fossil record

PHYLLOCHTHONIIDAE Travé, 1967 ..... **Recent**

no fossil record

PTEROCHTHONIIDAE Grandjean, 1950 ..... **Recent**

no fossil record

HYPOCHTHONIOIDEA Berlese, 1910 ..... **Carbon. – Recent**

ENIOCHTHONIIDAE Grandjean, 1947*b* ..... **Recent**

no fossil record

HYPOCHTHONIIDAE Berlese, 1910 ..... **Carbon. – Recent**

***Hypochthonius* C. L. Koch, 1835** ..... **Quaternary – Recent**

96. *Hypochthonius rufulus* C. L. Koch, 1835 **[Recent]** ..... Qt Finland

† ***Palaeohypochthonius* Subías & Arillo, 2002** ..... **Carboniferous**

97. *Palaeohypochthonius jerami* Subías & Arillo, 2002* ..... C County Antrim

LOHMANNIIDAE Berlese, 1916 ..... **Recent**

= XENOLOHMANNIDAE Balogh & Mahunka, 1969

no fossil record

MESOPLOPHORIDAE Ewing, 1917 ..... **Recent**

= ARCHOPLOPHORIDAE Grandjean, 1965

no fossil record

PROTOPLOPHOROIDEA Ewing, 1917 ..... **Carbon. – Recent**

COSMOCHTHONIIDAE Grandjean, 1947*b* ..... **Carbon. – Recent**

† ***Carbochthonius* Subías & Arillo, 2002** ..... **Carboniferous**

98. *Carbochthonius antrimensis* Subías & Arillo, 2002* ..... C County Antrim

HAPLOCHTHONIIDAE van der Hammen, 1959 ..... **Recent**

no fossil record

PEDICULOCHELIDAE Lavoipierre, 1946 ..... **Recent**

no fossil record

PROTHOPLOPHORIDAE Ewing, 1917 ..... **Carbon. – Recent**

= APOPLOPHORIDAE Niedbała, 1984

† ***Archaeoplophora* Subías & Arillo, 2002** ..... **Carboniferous**

99. *Archaeoplophora bella* Subías & Arillo, 2002* ..... C County Antrim

SPHAEROCHTHONIIDAE Grandjean, 1947*b* ..... **Recent**

no fossil record

HETEROCHTHONOIDEA Grandjean, 1954*b* ..... **Recent**

ARBORICHTHONIIDAE Balogh & Balogh, 1992 ..... **Recent**

no fossil record

HETEROCHTHONIIDAE Grandjean, 1954*b* ..... **Recent**

no fossil record

TRICHTOCHTHONIIDAE Lee, 1982 ..... **Recent**

no fossil record

PARHYPOSOMATA Grandjean, 1969 (supercohort) ..... **Carbon. – Recent**

PARHYPOCHTHONIOIDEA Grandjean, 1932*b* ..... **Carbon. – Recent**

ELLIPTOCHTHONIIDAE Norton, 1975 ..... **Recent**

no fossil record

GEHYPOCHTHONIIDAE Strenzke, 1963 ..... **Carbon. – Recent**

† ***Gehypochthonimimus* Subías & Arillo, 2002** ..... **Carboniferous**

100.*Gehypchthonimimus hibernicus* Subías & Arillo, 2002* ..... C County Antrim

PARHYPOCHTHONIIDAE Grandjean, 1932*b* ..... **Recent**

no fossil record

MIXONOMATA Grandjean, 1969 (supercohort) ..... **Carbon. – Recent**

SUPERFAMILY UNCERTAIN

† **CARBOLOHMANNIIDAE Sidorchuk & Robin *in* Robin *et al.* (2016)** ..... **Carboniferous**

† ***Carbolohmannia* Sidorchuk & Robin *in* Robin *et al*. (2016)** ..... **Carboniferous**

101.*Carbolohmannia maimaiphilus* Sidorchuk & Robin *in* Robin *et al*. (2016)* C Xiaheyan, China

NEHYPOCHTHONOIDEA Norton & Metz, 1980 ..... **Recent**

NEHYPOCHTHONIIDAE Norton & Metz, 1980 ..... **Recent**

no fossil record

EULOHMANNOIDEA Grandjean, 1931 ..... **Recent**

EULOHMANNIIDAE Grandjean, 1931 ..... **Recent**

no fossil record

PERLOHMANNIOIDEA Grandjean, 1954*b* ..... **Recent**

PERLOHMANNIIDAE Grandjean, 1954*b* ..... **Recent**

no fossil record

EPILOHMANNIOIDEA Oudemans, 1923 ..... **Recent**

EPILOHMANNIIDAE Oudemans, 1923 ..... **Recent**

= LESSIRIIDAE Oudemans, 1916

no fossil record

COLLOHMANNIOIDEA Grandjean, 1958*a* ..... **Paleogene – Recent**

COLLOHMANNIIDAE Grandjean, 1958*a* ..... **Paleogene – Recent**

***Collohmannia* Sellnick, 1922** ..... **Paleogene – Recent**

102.*Collohmannia schusteri* Norton, 2006 ..... Pa Baltic amber

† ***Embolacarus* Sellnick, 1919** ..... **Palaeogene – Recent**

103.*Embolacarus pergratus* Sellnick, 1919* ..... Pa Baltic amber

EUPYCTIMA Grandjean, 1967 ..... **Palaeogene – Recent**

Eupyctima is listed here as a mixonomatid clade, but is not recognised in all classifications, or else is removed from this group and given equal rank

EUPHTHIRACAROIDEA Jacot, 1930 ..... **Palaeogene – Recent**

EUPHTHIRACARIDAE Jacot, 1930 ..... **Palaeogene – Recent**

***Microtritia* Märkel, 1964** ..... **Quaternary – Recent**

104.*Microtritia minima* (Berlese, 1904) **[Recent]** ..... Qt Germany

***Rhysotritia* Märkel & Meyer, 1959** ..... **Quaternary – Recent**

105.*Rhysotritia ardua* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany

106.*Rhysotritia duplicata* (Grandjean, 1953) **[Recent]** ..... Qt Germany

ORIBOTRITIIDAE Grandjean, 1954b ..... **Palaeogene – Recent**

= SABAHTRITIIDAE Mahunka, 1987

Oribotritidae indet. *in* Kaulfuss *et al*. (2011) ..... Pa New Zealand amber

***Oribotritia* Jacot, 1924** ..... **Palaeogene – Recent**

107.*Oribotritia pyropus* (Sellnick, 1919) ..... Pa Baltic amber

108.*Oribotritia translucida* Sellnick, 1931 ..... Pa Baltic amber

SYNICHOTRITIIDAE Walker, 1965 ..... **Recent**

no fossil record

PHTHIRACAROIDEA Perty, 1841 ..... **Palaeogene – Recent**

PHTHIRACARIDAE Perty, 1841 ..... **Palaeogene – Recent**

= STEGANACARIDAE Niedbała, 1986

***Hoplophthiacarus* Jacot, 1933** ..... **Quaternary – Recent**

109.*Hoplophthiacarus pavidus* (Berlese, 1913) **[Recent]** ..... Qt Karelia, Russia

***Phthiacarus* Perty, 1841** ..... **Palaeogene – Recent**

110.*Phthiacarus borealis* Trägardh, date? **[Recent]** ..... Qt Karelia, Russia

111.*Phthiacarus multipunctus* (Sellnick, 1919) ..... Pa Baltic amber

***Steganacarus* Ewing, 1917a** ..... **Quaternary – Recent**

112. *Steganacarus applicatus* (Sellnick, 1920) **[Recent]** ..... Qt Denmark

113. *Steganacarus carinatus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

114. *Steganacarus striculus* (C. L. Koch, 1835) **[Recent]** ..... Qt Europe

Steganacarus sp. ..... Qt Finland

DESMONOMATA Woodley, 1873 (supercohort) ..... **Jurassic – Recent**

NOTHRINA van der Hammen, 1982 (cohort) ..... **Jurassic – Recent**

= HOLOSOMATA author, date?

CROTONIOIDEA Thorell, 1876 ..... **Jurassic – Recent**

CAMISIIDAE Oudemans, 1900 ..... **Cretaceous – Recent**

***Camisia* von Heyden, 1826** ..... **Paleogene – Recent**

115. *Camisia foveolata* Hammer, 1955 **[Recent]** ..... Qt western Norway

116. *Camisia horrida* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

i. = *Nothrus kuehli* Karsch, 1884 ..... Pa Baltic amber

NB: unclear why the older name is the synonym

117. *Camisia invenusta* (Michael, 1888) **[Recent]** ..... Qt western Norway

118. *Camisia lapponica* Trägårdh, 1910 **[Recent]** ..... Qt Karelia, Russia

† ***Eocamisia* Bulanova-Zachvatkina, 1974** ..... **Cretaceous**

119. *Eocamisia sukatshevae* Bulanova-Zachvatkina, 1974* ..... K Siberian amber

***Platynothrus* Berlese, 1913** ..... **Quaternary – Recent**

120. *Platynothrus peltifer* (C. L. Koch, 1839) **[Recent]** ..... Qt Greenland

121. *Platynothrus punctatus* (L. Koch, 1879) **[Recent]** ..... Qt northern Europe

CROTONIIDAE Thorell, 1876 ..... **Neogene – Recent**

= HOLONOTHRIDAE Wallwork, 1963

***Crotonia* Thorell, 1876** ..... **Neogene – Recent**

122. *Crotonia ramus* (Womersley, 1957) ..... Ne Australian retinite

HERMANNIIDAE Sellnick, 1928 ..... **Palaeogene – Recent**

= GALAPAGACARIDAE P. Balogh, 1985

***Hermannia* Nicolet, 1855** ..... **Palaeogene – Recent**

123. *Hermannia gibba* (C. L. Koch, 1839) **[Recent]** ..... Qt Finland

124. *Hermannia reticulata* Thorell, 1871 **[Recent]** ..... Qt Subarctic – Arctic

125. *Hermannia scabra* (L. Koch, 1879) **[Recent]** ..... Qt Greenland

126. *Hermannia sellnicki* Norton, 2006 ..... Pa Baltic amber

MALACONOTHRIDAE Berlese, 1916 ..... **Quaternary – Recent**

***Malaconothrus* Berlese, 1904** ..... **Quaternary – Recent**

127. *Malaconothrus monodactylus* (Michael, 1888) **[Recent]** ..... Qt Europe

***Trimalaconothrus* Berlese, 1916** ..... **Quaternary – Recent**

128. *Trimalaconothrus maior* (Berlese, 1910) **[Recent]** ..... Qt northern Europe

NANHERMANNIDAE Sellnick, 1928 ..... **Paleogene – Recent**

Nanhermannidae indet. *in* Fernández *et al*. (2021) ..... Pa Patagonia

***Nanhermannia* Berlese, 1913** ..... **Quaternary – Recent**

129. *Nanhermannia coronata* Berlese, 1913 **[Recent]** ..... Qt Karelia, Russia

130. *Nanhermannia elegantula* Berlese, 1913 **[Recent]** ..... Qt Germany

NOTHRIDAE Berlese, 1896 ..... **Cretaceous – Recent**

***Nothrus* C. L. Koch, 1836** ..... **Cretaceous – Recent**

131. *Nothrus illautus* Sellnick, 1919 ..... Pa Baltic amber

132. *Nothrus punctulum* Karsch, 1884 ..... Pa Baltic amber

133. *Nothrus silvestris* Nicolet, 1855 **[Recent]** ..... Qt Europe

134. *Northrus vasquezae* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

TRHYPOCHTHONIIDAE Willmann, 1931 ..... **Jurassic – Recent**

= ALLONOTHRIDAE Lee, 1985

= MUCRONOTHRIDAE Kunst, 1972

= TRHYPOCHTHONIELLIDAE Knülle, 1957

***Afronothrus* Wallwork, 1961** ..... **Cretaceous – Recent**

135. *Afronothrus ornosae* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

***Allonothrus* van der Hammen, 1953** ..... **Neogene – Recent**

Allonothrus sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Juracarus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

136. *Juracarus serratus* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

***Mucronothrus* Trägårdh, 1931** ..... **Quaternary – Recent**

137. *Mucronothrus nasalis* (Willmann, 1929) **[Recent]** ..... Qt Karelia, Russia

† ***Palaeochthonius* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic – Recent**

138. *Palaeochthonius krasilovi* Krivolutsky *in* Kriv. & Krasilov, 1977 ..... J Russian far east

***Trhypochthonius* Berlese, 1904** ..... **Cretaceous – Recent**

139. *Trhypochthonius badiformis* Sellnick, 1931 ..... Pa Baltic amber

140. *Trhypochthonius cladonicola* (Willmann, 1919) **[Recent]** ..... Qt Germany

141. *Trhypochthonius corniculatus* Sellnick, 1931 ..... Pa Baltic amber

142. *Trhypochthonius lopezvallei* Arillo, Subías & Shtanchaeva, 2012 ..... K San Just amber

143. *Trhypochthonius tectorum* (Berlese, 1896) **[Recent]** ..... Qt Karelia, Russia

BRACHYPYLINA Hull, 1918 (cohort) ..... Jurassic – Recent

= CIRCUMDEHISCENTIAE Grandjean, 1954*b*

= PORONOTA Grandjean, 1954*b* [in part; taxon used for seven brachypyline superfamilies]

superfamily uncertain

ARIBATIDAE Aoki, Takaku & Ito, 1994 ..... **Recent**

no fossil record

HERMANNIELLOIDEA Grandjean, 1934 ..... **Paleogene – Recent**

HERMANNIELLIDAE Grandjean, 1934 ..... **Paleogene – Recent**

***Hermanniella* Berlese, 1908** ..... **Paleogene – Recent**

144. *Hermanniella concamerata* Sellnick, 1931 ..... Pa Baltic amber

145. *Hermanniella tuberculata* Sellnick, 1919 ..... Pa Baltic amber

***Sacculobates* Grandjean, 1962** ..... **Neogene – Recent**

Sacculobates sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

PLASMOBATIDAE Grandjean, 1961*a* ..... **Recent**

no fossil record

NEOLIODOIDEA Sellnick, 1928 ..... **Cretaceous – Recent**

= LIODOIDEA Grandjean, 1954*b*

NEOLIODIDAE Sellnick, 1928 ..... **Cretaceous – Recent**

= LIODIDAE Grandjean, 1954*b*

***Neoliodes* Berlese, 1888** ..... **Cretaceous – Recent**

= *Liodes* von Heyden, 1826 [preoccupied]

146. *Neoliodes andreneli* Arillo & Subías *in* Arillo *et al*., 2019 ..... K Lebanese amber

147. *Neoliodes brevitarsus* (Woolley, 1971) ..... Ne Chiapas amber

148. *Neoliodes dominicus* Heethoff, Helfen & Norton, 2009 ..... Ne Dominican amber

149. *Neoliodes quadriscutatus* Sellnick, 1919 ..... Pa Baltic amber

Neoliodes sp. *in* Norton & Poinar (1993) [as *Liodes*] ..... Ne Dominican amber

***Platyliodes* Berlese, 1917** ..... **Cretaceous – Recent**

150. *Platyliodes ensigerus* (Sellnick, 1919) ..... Pa Baltic amber

151. *Platyliodes sellnicki* Arillo & Subías *in* Arillo *et al*., 2016 ..... K Spanish amber

***Teleoliodes* author, date?** ..... **Neogene – Recent**

Teleoliodes sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

PLATEREMAEOIDEA Trägårdh, 1926 ..... **Cretaceous – Recent**

= GYMNODAMAEOIDEA Grandjean, 1954*a*

ALEURODAMAEIDAE Paschoal & Johnston, 1985 ..... **Recent**

no fossil record

GYMNODAMAEIDAE Grandjean, 1954*a* ..... **Paleogene – Recent**

***Gymnodamaeus* Kulczynski, 1902** ..... **Paleogene – Recent**

152. *Gymnodamaeus sepotisus* Sellnick, 1919 ..... Pa Baltic amber

IDIODAMAEIDAE Paschoal, 1987 ..... **Recent**

no fossil record

LICNOBELBIDAE Grandjean, 1965*a* ..... **Recent**

no fossil record

LICNODAMAEIDAE Grandjean, 1954*b* ..... **Recent**

= NACUNANSELLIDAE author, date

no fossil record

LYRIFISSIELLIDAE Paschoal, 1987 ..... **Recent**

no fossil record

PEDROCORTESELLIDAE Paschoal, 1987 ..... **Recent**

no fossil record

PHEROLIODIDAE Paschoal, 1987 ..... **Recent**

= HAMMERIELLIDAE Paschoal, 1987

= NOOLIODIDAE Paschoal, 1989d

no fossil record

PLATEREMAEIDAE Trägårdh, 1926 ..... **Cretaceous – Recent**

***Rasnitsynella* Krivoluckij, 1976** ..... **Cretaceous**

153. *Rasnitsynella punctulata* Krivoluckij, 1976 ..... K Taymir amber

DAMAEOIDEA Berlese, 1896 ..... **Paleogene – Recent**

DAMAEIDAE Berlese, 1896 ..... **Paleogene – Recent**

Damaeidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Belba* von Heyden, 1826** ..... **Quaternary – Recent**

154. *Belba compta* (Kulczynski, 1902) **[Recent]** ..... Qt western Norway

155. *Belba cornyops* (Hermann, 1804)* **[Recent]** ..... Qt Finland

† ***Belbites* Pampaloni, 1902** ..... **Neogene**

156. *Belbites disodilis* Pampaloni, 1902* ..... Ne? Sicily

***Damaeobelba* Sellnick, 1928** ..... **Quaternary – Recent**

157. *Damaeobelba minutissima* (Sellnick, 1920) **[Recent]** ..... Qt Germany

***Damaeus* C. L. Koch, 1835** ..... **Paleogene – Recent**

158. *Damaeus auritus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

159. *Damaeus genadensis* Sellnick, 1931 ..... Pa Baltic amber

***Spatiodamaeus* Bulanova-Zachvatkina, 1967** ..... **Quaternary – Recent**

160. *Spatiodamaeus verticillipes* (Nicolet, 1855)* **[Recent]** ..... Qt Finland

CEPHEOIDEA Berlese, 1896 ..... **Cretaceous – Recent**

= EUTEGOIDEA Balogh, 1965

ANDEREMAEIDAE Balogh, 1972 ..... **Recent**

no fossil record

CEPHEIDAE Berlese, 1896 ..... **Cretaceous – Recent**

= COMPATOZETIDAE Luxton, 1988

***Cepheus* C. L. Koch, 1835** ..... **Paleogene – Recent**

161. *Cepheus cepheiformis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

162. *Cepheus dentatus* (Michael, 1888) **[Recent]** ..... Qt Finland

163. *Cepheus implicatus* (Sellnick, 1919) ..... Pa Baltic amber

164. *Cepheus latus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

***Eupterotegaeus* Berlese, 1916** ..... **Cretaceous – Recent**

165. *Eupterotegaeus bitranslamellatus* Arillo & Subías, 2002 ..... K Álava amber

***Ommatocepheus* Berlese, 1913** ..... **Cretaceous – Recent**

166. *Ommatocepheus nortoni* Arillo, Subías & Shtanchaeva, 2008 ..... K Álava amber

CEROCEPHEIDAE Mahunka, 1986 ..... **Recent**

no fossil record

EUTEGAEIDAE Balogh, 1965 ..... **Recent**

= PTEROZETIDAE Luxton, 1988

no fossil record

MICROTEGEIDAE Balogh, 1972 ..... **Recent**

no fossil record

NODOCEPHEIDAE Piffl, 1972 ..... **Recent**

no fossil record

NOSYBEIDAE Mahunka, 1994 ..... **Recent**

no fossil record

PTEROBATIDAE Balogh & Balogh, 1992 ..... **Recent**

no fossil record

POLYPTEROZETOIDEA Grandjean, 1959 ..... **Recent**

PODOPTEROTEGAEIDAE Piffl, 1972 ..... **Recent**

no fossil record

POLYPTEROZETIDAE Grandjean, 1959 ..... **Recent**

no fossil record

TUMEROZETIDAE Hammer, 1966 ..... **Recent**

no fossil record

MICROZETOIDEA Grandjean, 1936*a* ..... **Neogene – Recent**

MICROZETIDAE Grandjean, 1936*a* ..... **Neogene – Recent**

***Amiracarus* Miko *in* Miko *et al*. (2013)** ..... **Neogene – Recent**

167. *Amiracarus pliocennatus* Miko *in* Miko *et al*. (2013) ..... Ne Slovenian Karst

168. *Amiracrus senensis* (Bernini, 1975) *in* Miko *et al*. (2013)* **[Recent]** ..... Qt Romanian caves

AMEROIDEA Bulanova-Zachvatkina, 1957 ..... **Cretaceous – Recent**

= AMEROBELBOIDEA Grandjean, 1954*b*

= CALEREMEIOIDEA Grandjean, 1965*c*

AMERIDAE Bulanova-Zachvatkina, 1957 ..... **Recent**

no fossil record

AMEROBELBIDAE Grandjean, 1961*b* ..... **Recent**

no fossil record

BASILOBELBIDAE Balogh, 1961 ..... **Recent**

no fossil record

CALEREMAEIDAE Grandjean, 1965*c* ..... **Cretaceous – Recent**

***Caleremaeus* Berlese, 1910** ..... **Palaeogene – Recent**

169. *Caleremaeus gleso* Sellnick, 1931 ..... Pa Baltic amber

***Epieremulus* Berlese, 1916** ..... **Cretaceous – Recent**

170. *Epieremulus sidorchukae* Arillo & Subías *in* Arillo *et al*., 2020 ..... K La Rodada amber

CTENOBELBIDAE Grandjean, 1965*b* ..... **Recent**

no fossil record

DAMAEOLIDAE Grandjean, 1965*b* ..... **Recent**

no fossil record

EREMOBELBIDAE Balogh, 1961 ..... **Recent**

no fossil record

EREMULIDAE Grandjean, 1965*b* ..... **Recent**

no fossil record

HETEROBELBIDAE Balogh, 1961 ..... **Recent**

no fossil record

HUNGAROBELBIDAE Miko & Travé, 1996 ..... **Recent**

no fossil record

STAUROBATIDAE Grandjean, 1966 ..... **Recent**

no fossil record

ZETORCHESTOIDEA Michael, 1898 ..... **Cretaceous – Recent**

= EREMAEOIDEA Oudeman, 1900

= NIPHOCEPHOIDEA Travé, 1959 [a separate superfamily in some studies]

† **ARCHAEORCHESTIDAE Arillo & Subías, 2000** ..... **Cretaceous**

† ***Plategeocranus*** **Sellnick, 1919** ..... **Palaeogene**

171. *Plategeocranus sulcatus* (Karsch, 1884)* ..... Pa Baltic amber

† ***Strieremaeus*** **Sellnick, 1919** ..... **Cretaceous – Recent**

= † *Archaeorchestes* Arillo & Subías, 2000

172. *Strieremaeus illibatus* Sellnick, 1919 ..... Pa Baltic amber

173. *Strieremaeus minguezae* (Arillo & Subías, 2000) ..... K Álava amber

EREMAEIDAE Oudemans, 1900 ..... **Paleogene – Recent**

Eremaeus **C. L. Koch, 1836** ..... **Paleogene – Recent**

174. *Eremaeus hepaticus* C. L. Koch, 1835* **[Recent]** ..... Qt Germany

175. *Eremaeus oblongus* **[Recent]** *fossilis* Sellnick, 1919 ..... Pa Baltic amber

Eueremaeus **Mihelcic, 1963** ..... **Quaternary – Recent**

176. *Eueremaeus silvestris* (Forsslund, 1956) **[Recent]** ..... Qt Finland

† ***Gradidorsum*** **Sellnick, 1919** ..... **Palaeogene – Recent**

177. *Gradidorsum asper* Sellnick, 1919* ..... Pa Baltic amber

MEGEREMAEIDAE Woolley & Higgins, 1968 ..... **Cretaceous – Recent**

Megeremaeus **Higgins & Wooley 1965** ..... **Cretaceous – Recent**

178.*Megeremaeus cretaceous* Sidorchuk & Behan-Pelletier, 2017 ..... K Canadian amber

NIPHOCEPHEIDAE Travé, 1959 ..... **Recent**

no fossil record

ZETORCHESTIDAE Michael, 1898 ..... **Palaeogene – Recent**

Zetorchestes **Berlese, 1888** ..... **Palaeogene – Recent**

Zetorchestes spp.*in* Sidorchuk & Norton (2011) ..... Pa Rovno amber

GUSTAVIOIDEA Oudemans, 1900 ..... **Jurassic – Recent**

= LIACAROIDEA Sellnick, 1928

ASTEGISTIDAE Balogh, 1961 ..... **Jurassic – Recent**

Astegistes **Hull, 1916** ..... **Quaternary – Recent**

179. *Astegistes pilosus* (C. L. Koch, 1840) **[Recent]** ..... Qt Karelia, Russia

Cultroribula **Berlese, 1908** ..... **Jurassic – Recent**

180. *Cultroribula jurassica* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

181. *Cultroribula lauta* Sellnick, 1931 ..... Pa Baltic amber

182. *Cultroribula superba* Sellnick, 1931 ..... Pa Baltic amber

GUSTAVIIDAE Oudemans, 1900 ..... **Quaternary – Recent**

Gustavia **Kramer, 1879** ..... **Quaternary – Recent**

183. *Gustavia microcephala* (Nicolet, 1855) **[Recent]** ..... Qt Finland

KODIAKELLIDAE Hammer, 1967 ..... **Recent**

no fossil record

LIACARIDAE Sellnick, 1928 ..... **Cretaceous – Recent**

= XENILLIDAE Woolley & Higgins, 1966

***Adoristes* Hull, 1916** ..... **Quaternary – Recent**

184. *Adoristes ovatus* (C. L. Koch, 1839)* **[Recent]** ..... Qt northern Europe

***Liacarus* Michael, 1898** ..... **Cretaceous – Recent**

185. *Liacarus coracinus* (C. L. Koch, 1841) **[Recent]** ..... Qt Finland

186. *Liacarus* (*Procorynetes*) *shtanchaevae* Arillo & Subías *in* Arillo *et al*., 2022 ..... K Ariño amber, Spain

***Xenillus* Robineau-Desvoidy, 1839** ..... **Paleogene – Recent**

187. *Xenillus tegeocraniformis* (Sellnick, 1919) ..... Pa Baltic amber

MULTORIBULIDAE Balogh, 1972 ..... **Recent**

no fossil record

PELOPPIIDAE Balogh, 1943 ..... **Paleogene – Recent**

***Ceratoppia* Berlese, 1908** ..... **Paleogene – Recent**

188. *Ceratoppia bipilis fossilis* Sellnick, 1919 ..... Pa Baltic amber

i. = *Oribates politus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

189. *Ceratoppia quadridentata* (Haller, 1882) **[Recent]** ..... Qt Finland

TENUIALIDAE Jacot, 1929 ..... **Quaternary – Recent**

***Hafenrefferia* Oudemans, 1906** ..... **Quaternary – Recent**

190. *Hafenrefferia gilvipes* (C. L. Koch, 1839)* **[Recent]** ..... Qt Finland

CARABODOIDEA C. L. Koch, 1843*b* ..... **Cretaceous – Recent**

= OCTOCEPHOIDEA Balogh, 1961

CARABOCEPHEIDAE Mahunka, 1986 ..... **Recent**

no fossil record

CARABODIDAE C. L. Koch, 1843*b* ..... **Palaeogene – Recent**

***Carabodes* C. L. Koch, 1835** ..... **Palaeogene – Recent**

191. *Carabodes areolatus* Berlese, 1916 **[Recent]** ..... Qt Karelia, Russia

192. *Carabodes coriaceus* C. L. Koch, 1835* **[Recent]** ..... Qt Finland

193. *Carabodes coriaceus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

194. *Carabodes dissonus* Sellnick, 1931 ..... Pa Baltic amber

195. *Carabodes gerberi* Sellnick, 1931 ..... Pa Baltic amber

196. *Carabodes laybrinthicus* (Michael, 1879) **[Recent]** ..... Qt Europe

197. *Carabodes labyrinthicus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber

198. *Carabodes marginatus* (Michael, 1884) **[Recent]** ..... Qt Finland

199. *Carabodes minusculus* Berlese, 1923 **[Recent]** ..... Qt Germany

200. *Carabodes ornatus* Storkan, 1925 **[Recent]** ..... Qt Finland

201. *Carabodes subarcticus* Trägardh, 1902 **[Recent]** ..... Qt Finland

202. *Carabodes willmanni* Bernini, 1975 **[Recent]** ..... Qt western Norway

?*Carabodes* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

† ***Carabodites* Pampaloni, 1902** ..... **Neogene?**

203. *Carabodites pavesii* Pampaloni, 1902* ..... Ne? Sicily

***Odontocepheus* Berlese, 1913** ..... **Quaternary – Recent**

204. *Odontocepheus elongatus* (Michael, 1879)* **[Recent]** ..... Qt Finland

DAMPFIELLIDAE Balogh, 1961 ..... **Recent**

no fossil record

HEXOPPIIDAE Balogh, 1983 ..... **Recent**

no fossil record

LUXTONIIDAE Mahunka, 2001 ..... **Recent**

no fossil record

NIPPOBODIDAE Aoki, 1959 ..... **Recent**

no fossil record

OTOCEPHEIDAE Balogh, 1961 ..... **Cretaceous – Recent**

† *Cretaceobodes* Arillo, Subías & Shtanchaeva, 2010 ..... **Cretaceous – Recent**

205. *Cretaceobodes martinezae* Arillo, Subías & Shtanchaeva, 2010 ..... K San Just amber

***Dolicheremaeus* Jacot, 1938** ..... **Neogene – Recent**

Dolicheremaeus sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Otocepheus* Berlese, 1905** ..... **Paleogene – Recent**

206. *Otocepheus niger* Sellnick, 1931 ..... Pa Baltic amber

207. *Otocepheus praesignis* Sellnick, 1931 ..... Pa Baltic amber

TOKUNOCEPHEIDAE Aoki, 1966*a* ..... **Recent**

no fossil record

OPPIOIDEA Grandjean, 1951 ..... **Palaeogene – Recent**

= EREMELLOIDEA Balogh, 1961 [in part]

= TRIZETOIDEA Ewing, 1917 [in part]

AUTOGNETIDAE Grandjean, 1960*b* ..... **Quaternary – Recent**

***Conchogneta* Grandjean, 1963** ..... **Quaternary – Recent**

208. *Conchogneta traegardhi* (Forsslund, 1947) **[Recent]** ..... Qt Finland

ARCEREMAEIDAE Balogh, 1972 ..... **Recent**

no fossil record

BORHIDIIDAE Balogh, 1983 ..... **Recent**

no fossil record

CHAVINIIDAE Balogh, 1983 ..... **Recent**

no fossil record

ENANTIOPPIIDAE Balogh, 1983 ..... **Recent**

no fossil record

EPIMERELLIDAE Ayyildiz & Luxton, 1989 ..... **Recent**

no fossil record

GRANULOPPIIDAE Balogh, 1983 ..... **Recent**

no fossil record

MACHADOBELBIDAE Balogh, 1972 ..... **Recent**

no fossil record

MACHUELLIDAE Balogh, 1893 ..... **Recent**

no fossil record

NOSYBELBIDAE Mahunka, 1994 ..... **Recent**

no fossil record

OPPIIDAE Grandjean, 1951 ..... **Palaeogene – Recent**

***Dissorhina* Hull, 1916** ..... **Neogene – Recent**

209. *Dissorhina nuda* Miko, 2015 ..... Ne Slovenian Karst

210. *Dissorhina ornata* (Oudemans, 1900)* **[Recent]** ..... Qt Germany

211. *Dissorhina paleokrasica* Miko, 2015 ..... Ne Slovenian Karst

***Oppia* C. L. Koch, 1836** ..... **Palaeogene – Recent**

212. *Oppia angustum* (Sellnick, 1931) ..... Pa Baltic amber

213. *Oppia cervicornu* (Sellnick, 1919) ..... Pa Baltic amber

214. *Oppites hurdi* Woolley, 1971 ..... Ne Chiapas amber

215. *Oppia longilamellata* **[Recent]** *fossilis* (Sellnick, 1931) ..... Pa Baltic amber

216. *Oppia medium* (Sellnick, 1931) ..... Pa Baltic amber

217. *Oppia mexicana* (Woolley, 1971) ..... Ne Chiapas amber

218. *Oppia setigera* (Woolley, 1971) ..... Ne Chiapas amber

219. *Oppia sucinum* (Sellnick, 1931) ..... Pa Baltic amber

?*Oppia* sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Oppiella* Jacot, 1937** ..... **Quaternary – Recent**

220. *Oppiella nova* (Oudemans, 1902)* **[Recent]** ..... Qt northern Europe

221. *Oppiella ornata* (Oudemans, 1900) **[Recent]** ..... Qt western Norway
222. *Oppiella splendens* (C. L. Koch, 1841) **[Recent]** ..... Qt western Norway
223. *Oppiella subpectinata* (Oudemans, 1900) **[Recent]** ..... Qt northern Europe
224. *Oppiella translamellata* (Willmann, 1923) **[Recent]** ..... Qt northern Europe

† ***Oppites*** **Pampaloni, 1902** ..... **Neogene**

225. *Oppites melilli* Pampaloni, 1902* ..... Ne? Sicily

† ***Praoppiella*** **Miko & Mourek *in* Miko *et al*., 2012** ..... **Quaternary**

226. *Praoppiella oanae* Miko & Mourek *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

Ramusella **Hammer, 1962** ..... **Quaternary – Recent**

227. *Ramusella clavipectinata* (Michael, 1885) **[Recent]** ..... Qt Germany

† ***Rhinoppioides*** **Miko *in* Miko *et al*., 2012** ..... **Quaternary**

228. *Rhinoppioides quadrituberculatus* Miko *in* Miko *et al*., 2012* ..... Qt Slovenian Karst

OXYAMERIDAE Aoki, 1965 ..... **Recent**

no fossil record

PAPILLONOTIDAE Balogh, 1983 ..... **Recent**

no fossil record

PLATYAMERIDAE Balogh & Balogh, 1983 ..... **Recent**

no fossil record

QUADROPPIIDAE Balogh, 1983 ..... **Recent**

no fossil record

RHYNCHORIBATIDAE Balogh, 1961 ..... **Recent**

no fossil record

SPINOZETIDAE Balogh, 1972 ..... **Recent**

no fossil record

STERNOPPIIDAE Balogh & Mahunka, 1969 ..... **Recent**

no fossil record

SUCTOBELBIDAE Jacot, 1938 ..... **Palaeogene – Recent**

Suctobelbella **Jacot, 1937** ..... **Palaeogene – Recent**

229. *Suctobelbella falcata* (Forsslund, 1941) **[Recent]** ..... Qt Germany
230. *Suctobelbella latirostris* (Strenzke, 1950) **[Recent]** ..... Qt Germany
231. *Suctobelbella longirostris* (Forsslund, 1941) **[Recent]** ..... Qt western Norway
232. *Suctobelbella sarekensis* (Forsslund, 1941) **[Recent]** ..... Qt Europe
233. *Suctobelbella similis* (Forsslund, 1941) **[Recent]** ..... Qt Germany
234. *Suctobelbella subcornigera* (Forsslund, 1941) **[Recent]** ..... Qt Germany
235. *Suctobelbella subtrigona* (Oudemans, 1916) **[Recent]** ..... Qt Europe

236. *Suctobelbella subtrigona* **[Recent]** *fossilis* (Sellnick, 1931) ..... Pa Baltic amber

TERATOPPIIDAE Balogh, 1983 ..... **Recent**

no fossil record

TETRACONDYLIDAE Aoki, 1961 ..... **Recent**

no fossil record

THYRISOMIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

***Banksinoma* Oudemans, 1930** ..... **Quaternary – Recent**

237. *Banksinoma lanceolata* (Michael, 1885)* **[Recent]** ..... Qt Europe

***Oribella* Berlese, 1908** ..... **Quaternary – Recent**

238.*Oribella dentata* Sidorchuk, 2004 ..... Qt Arkhangel'sk oblast

TRIZETIDAE Ewing, 1917 ..... **Recent**

no fossil record

TUPAREZETIDAE Balogh, 1972 ..... **Recent**

no fossil record

TECTOCEPHEOIDEA Grandjean, 1954*b* ..... **Paleogene – Recent**

TECTOCEPHEIDAE Oudemans, 1900 ..... **Paleogene – Recent**

***Tectocepheus* Berlese, 1895** ..... **Paleogene – Recent**

239. *Tectocepheus minor* Berlese, 1903 **[Recent]** ..... Qt western Norway

240. *Tectocepheus similis* Sellnick, 1931 ..... Pa Baltic amber

241. *Tectocepheus velatus* (Michael, 1880)* **[Recent]** ..... Qt northern Europe

HYDROZETOIDEA Grandjean, 1954*b* ..... **Jurassic – Recent**

HYDROZETIDAE Grandjean, 1954*b* ..... **Jurassic – Recent**

***Hydrozetes* Berlese, 1902** ..... **Jurassic – Recent**

242. *Hydrozetes confervae* (Schrank, 1791) **[Recent]** ..... Qt western Norway

243. *Hydrozetes lacustris* (Michael, 1882)* **[Recent]** ..... Qt northern Europe

244. *Hydrozetes oryktosis* Woolley, 1969 ..... Qt Michigan

Hydrozetes sp. *in* Sivhed & Wallwork (1978) ..... J Sweden

LIMNOZETIDAE Thor, 1937 ..... **Quaternary – Recent**

***Limnozetes* Hull, 1916** ..... **Quaternary – Recent**

245. *Limnozetes ciliatus* (Schrank, 1803)* **[Recent]** ..... Qt northern Europe

246. *Limnozetes rugosus* (Sellnick, 1923) **[Recent]** ..... Qt northern Europe

AMERONOTHROIDEA Willmann, 1931 ..... **Quaternary – Recent**

AMERONOTHRIDAE Willmann, 1931 ..... **Quaternary – Recent**

***Ameronothrus* Berlese, 1896** ..... **Quaternary – Recent**

247. *Ameronothrus lineatus* (Thorell, 1871)* **[Recent]** ..... Qt Europe / Greenland

248. *Ameronothrus maculatus* (Michael, 1882) **[Recent]** ..... Qt western Norway

† ***Palaeonothrus* Krivolutskii & Sidorchuk, 2003** ..... **Quaternary**

249. *Palaeonothrus polytrichus* Krivolutskii & Sidorchuk, 2003* ..... Qt Arkhangel'sk Oblast

250. *Palaeonothrus rotundatus* Krivolutskii & Sidorchuk, 2003 ..... Qt Arkhangel'sk Oblast

FORTUYNIIDAE van der Hammen, 1963 ..... **Recent**

no fossil record

SELENORIBATIDAE Schuster, 1963 ..... **Recent**

no fossil record

TEGEOCRANELLIDAE Balogh, 1987 ..... **Recent**

no fossil record

CYMBAEREMAEOIDEA Sellnick, 1928 ..... **Jurassic – Recent**

CYMBAEREMAEIDAE Sellnick, 1928 ..... **Jurassic – Recent**

= AMETROPROCTIDAE Subías, 2004

= SCAPHEREMAEIDAE Subías, 2004

***Ametroproctus* Higgins & Woolley, 1968** ..... **Cretaceous – Recent**

251. *Ametroproctus valeriae* Arillo, Subías & Shtanchaeva, 2009 ..... K San Just amber

***Cymbaeremaeus* Berlese, 1896** ..... **Paleogene – Recent**

252. *Cymbaeremaeus cymba* (Nicolet, 1855)* **[Recent]** ..... Qt northern Europe

† ***Jureremus* Krivolutsky *in* Krivolutsky & Krasilov, 1977** ..... **Jurassic**

253. *Jureremeus foveolatus* Krivolutsky *in* Krivolutsky & Krasilov, 1977* ..... J Russian far east

254. *Jureremeus phippsi* Selden, Baker & Phipps, 2008 ..... J Yorkshire, UK

***Scapheremaeus* Berlese, 1910** ..... **Paleogene – Recent**

255. *Scapheremaeus undosus* Sellnick, 1919 ..... Pa Baltic amber

† ***Tectocymba* Sellnick, 1919** ..... **Paleogene – Recent**

256. *Tectocymba rara* Sellnick, 1919* ..... Pa Baltic amber

EREMAEOZETOIDEA Piffl, 1972 ..... **Paleogene – Recent**

= IDIOZETOIDEA Aoki, 1976

EREMAEOZETIDAE Piffl, 1972 ..... **Paleogene – Recent**

***Eremaeozetes* Berlese, 1913** ..... **Paleogene – Recent**

= † *Scutoribates* Sellnick, 1919

Eremaeozetes sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

IDIOZETIDAE Aoki, 1976 ..... **Recent**

no fossil record

LICNEREMAEOIDEA Grandjean, 1931 ..... **Jurassic – Recent**

= CHARASSOBATOIDEA Grandjean, 1958*b*

ADHAESOZETIDAE Hammer, 1973 ..... **Recent**

no fossil record

CHARASSOBATIDAE Grandjean, 1958*b* ..... **Recent**

no fossil record

DENDEROEREMAEIDAE Behan-Pelletier, Eamer & Clavton, 2005 ..... **Recent**

no fossil record

EREMELLIDAE Balogh, 1961 ..... **Recent**

no fossil record

LAMELLAREIDAE Balogh, 1972 ..... **Cretaceous – Recent**

***Tenuelamellarea* Subías & Iturrondobeitia, 1978** ..... **Cretaceous – Recent**

257. *Tenuelamellarea estefaniae* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

LICNEREMAEIDAE Grandjean, 1931 ..... **Palaeogene – Recent**

***Licneremaeus* Paoli, 1908** ..... **Palaeogene – Recent**

258. *Licneremaeus fritschi* Sellnick, 1931 ..... Pa Baltic amber

259. *Licneremaeus licnophorus* (Michael, 1882) **[Recent]** ..... Qt Germany

MICREREMIDAE Grandjean, 1954*b* ..... **Jurassic – Recent**

Micreremus* Grandjean, 1954*b .....[not Berlese 1908?]..... **Paleogene – Recent**

260. *Micreremus brevipes* (Michael, 1888)* **[Recent]** ..... Qt northern Europe

261. *Micreremus reticulatus* Sellnick, 1931 ..... Pa Baltic amber

262. *Micreremus scrobiculatus* Sellnick, 1931 ..... Pa Baltic amber

PASSALOZETIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

Passalozetes* Grandjean, 1932*a ..... **Quaternary – Recent**

263. *Passalozetes africanus* Grandjean, 1932*a* **[Recent]** ..... Qt Finland

SCUTOVERTICIDAE Grandjean, 1954*b* ..... **Cretaceous – Recent**

***Arthrovertex* Balogh, 1970** ..... **Neogene – Recent**

264. *Arthrovertex hurdi* (Woolley, 1971)..... Ne Chiapas amber

Arthrovertex sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Hypovertex* Krivolutsky, 1969** ..... **Cretaceous – Recent**

265. *Hypovertex hispanicus* Arillo & Subías *in* Arillo *et al.*, 2016 ..... K Spanish amber

***Scutovertex* Michael, 1879** ..... **Quaternary – Recent**

266. *Scutovertex minutus* (C. L. Koch, 1835) **[Recent]** ..... Qt Germany

PHENOPELOPOIDEA Petrunkevitch, 1955*a* ..... **Palaeogene – Recent**

PHENOPELOPIDAE Petrunkevitch, 1955*a* ..... **Palaeogene – Recent**

= PELOPIDAE author, date?

Eupelops* Ewing, 1917*a ..... **Palaeogene – Recent**

267. *Eupelops acromios* (Hermann, 1804) **[Recent]** ..... Qt Finland

268. *Eupelops curtipilus* (Berlese, 1916) **[Recent]** ..... Qt Germany

269. *Eupelops occultus* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

270. *Eupelops plicatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe

271. *Eupelops punctulatus* (Sellnick, 1931) ..... Pa Baltic amber

272. *Eupelops uraceus* (C. L. Koch, 1839)* **[Recent]** ..... Qt Kerelia, Russia

Eupelops sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

***Peloptulus* Berlese, 1908** ..... **Quaternary – Recent**

273. *Peloptulus phaenotus* (C. L. Koch, 1844)* **[Recent]** ..... Qt Germany

UNDULORIBATIDAE Kunst, 1971 ..... **Palaeogene – Recent**

***Scutoribates* Sellnick, 1918** ..... **Palaeogene – Recent**

274. *Scutoribates perornatus* Sellnick, 1918 ..... Pa Baltic amber

***Unduloribates* Balogh, 1943** ..... **?Palaeogene – Recent**

275. *Unduloribates parvus* (Sellnick, 1931) ..... Pa Baltic amber

generic affinities need clarification

ACHIPTERIOIDEA Thor, 1929 ..... **?Jurassic – Recent**

ACHIPTERIIDAE Thor, 1929 ..... **?Jurassic – Recent**

***Achipteria* Berlese, 1885** ..... **?Jurassic – Recent**

276. *Achipteria coleoptrata* (Linnaeus, 1757) **[Recent]** ..... Qt Finland / Greenland

277. ?*Achipteria obscura* Krivolutsky *in* Krivolutsky & Krasilov, 1977 ..... J Russian far east

[an *incertae sedis* taxon?]

***Parachipteria* van der Hammen, 1952** ..... **Quaternary – Recent**

278. *Parachipteria punctata* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

279. *Parachipteria willmanni* van der Hammen, 1952 **[Recent]** ..... Qt Germany

EPACTOZETIDAE Grandjean, 1936*b* ..... **Recent**

no fossil record

TEGORIBATIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

***Tegoribates* Ewing, 1917a** ..... **Quaternary – Recent**

280. *Tegoribates latirostris* (C. L. Koch, 1844) **[Recent]** ..... Qt Finland

ORIBATELLOIDEA Jacot, 1925 ..... **Palaeogene – Recent**

ORIBATELLIDAE Jacot, 1925 ..... **Palaeogene – Recent**

***Oribatella* Banks, 1895** ..... **Palaeogene – Recent**

281. *Oribatella berlesei* (Michael, 1898) **[Recent]** ..... Qt Finland

282. *Oribatella calcarata* (C. L. Koch, 1835) **[Recent]** ..... Qt Kerelia, Russia

283. *Oribatella mirabilis* Sellnick, 1931 ..... Pa Baltic amber

ORIPODOIDEA Jacot, 1925 ..... **Palaeogene – Recent**

CALOPPIIDAE Balogh, 1960 ..... **Recent**

= ?CRASSORIBATULIDAE author, date?

no fossil record

CAMPBELLOBATIDAE J. Balogh & P. Balogh, 1984 ..... **Recent**

no fossil record

CHAUNOPROCTIDAE Balogh, 1961 ..... **Recent**

no fossil record

DRYMOBATIDAE J. Balogh & P. Balogh, 1984 ..... **Recent**

no fossil record

HAPLOZETIDAE Grandjean, 1936*c* ..... **Palaeogene – Recent**

= PROTORIBATIDAE J. Balogh & P. Balogh, 1984

= XLOBATIDAE J. Balogh & P. Balogh, 1984

***Protoribates* Berlese, 1908** ..... **Palaeogene – Recent**

284. *Protoribates longipilis* Sellnick, 1931 ..... Pa Baltic amber

LAMELLAREIDAE Balogh, 1972 ..... **Recent**

no fossil record

MAUDHEIMIIDAE J. Balogh & P. Balogh, 1984 ..... **Recent**

no fossil record

MOCHLOZETIDAE Grandjean, 1960*a* ..... **Neogene – Recent**

Mochlozetidae sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Mochloribatula* Mahunka, 1978** ..... **Neogene – Recent**

285. *Mochloribatula smithi* (Woolley, 1971) ..... Ne Chiapas amber

***Mochlozetes* Grandjean, 1930** ..... **Neogene – Recent**

Mochlozetes sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

NASOBATIDAE Balogh, 1972 ..... **Recent**

no fossil record

NEOTRICHOZETIDAE Balogh, 1965 ..... **Recent**

no fossil record

NESOZETIDAE J. Balogh & P. Balogh, 1984 ..... **Recent**

no fossil record

ORIBATULIDAE Thor, 1929 ..... **Palaeogene – Recent**

Oribatulidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

***Lucoppia* Berlese, 1908** ..... **Palaeogene – Recent**

286. *Lucoppia simplex* Sellnick, 1931 ..... Pa Baltic amber

***Oribatula* Berlese, 1895** ..... **Quaternary – Recent**

287. *Oribatula tibialis* (Nicolet, 1855)* **[Recent]** ..... Qt Europe

***Phauloppia* Berlese, 1908** ..... **Palaeogene – Recent**

288. *Phauloppia lucorum* (C. L. Koch, 1841) **[Recent]** ..... Qt northern Europe

289. *Phauloppia pellucida* (Sellnick, 1931) ..... Pa Baltic amber

† ***Sachalinbates* Arillo, Subías & Shtanchaeva, 20112** [replacement name] ..... **Palaeogene – Recent**

= † *Sachalinella* Rjabinin *in* Krivolutzkii & Rjabinin, 1976 [preoccupied]

290. *Sachalinbates zherichini* (Rjabinin *in* Krivolutzkii & Rjabinin, 1976)*..... Pa Sachalin amber

***Zygoribatula* Berlese, 1916** ..... **Quaternary – Recent**

291. *Zygoribatula exilis* (Nicolet, 1855) **[Recent]** ..... Qt northern Europe

ORIPODIDAE Jacot, 1925 ..... **Palaeogene – Recent**

= BIROBATIDAE J. Balogh & P. Balogh, 1984

***Benoibates* Balogh, 1958**..... **Neogene – Recent**

292. *Benoibates chiapasensis* (Woolley, 1971) ..... Ne Chiapas amber

***Oripoda* Banks, 1904** ..... **Palaeogene – Recent**

293. *Oripoda baltica* Sellnick, 1931 ..... Pa Baltic amber

Oripoda sp. *in* Norton & Poinar (1993) ..... Ne Dominican amber

***Parapirnodus* Balogh & Mahunka, 1968**..... **Neogene – Recent**

294. *Parapirnodus denaius* (Woolley, 1971) ..... Ne Chiapas amber

PARAKALUMMIDAE Grandjean, 1936*b* ..... **Palaeogene – Recent**

***Neoribates* Berlese, 1914** ..... **Palaeogene – Recent**

295. *Neoribates borussicus* Sellnick, 1931 ..... Pa Baltic amber

SCHELORIBATIDAE Grandjean, 1933 ..... **Palaeogene – Recent**

† ***Alexebates* Krivolutskii & Sidorchuk, 2003**..... **Quaternary – Recent**

296. *Alexebates vychegodus* Krivolutskii & Sidorchuk, 2003..... Qt Arkhangel'sk Oblast

***Liebstadia* Oudemans, 1906** ..... **Palaeogene – Recent**

297. *Liebstadia similiformis* Sellnick, 1931 ..... Pa Baltic amber

298. *Liebstadia similis* (Michael, 1888)* **[Recent]** ..... Qt Europe / Greenland

***Scheloribates* Berlese, 1908** ..... **Palaeogene – Recent**

299. *Scheloribates apertus* Sellnick, 1931 ..... Pa Baltic amber

300. *Scheloribates areatus* Sellnick, 1931 ..... Pa Baltic amber

301. *Scheloribates durhami* (Woolley, 1971) ..... Ne Chiapas amber

302. *Scheloribates initialis* (Berlese, 1908) **[Recent]** ..... Qt Europe
303. *Scheloribates laevigatus* (C. L. Koch, 1835) **[Recent]** ..... Qt northern Europe
304. *Scheloribates latipes* (C. L. Koch, 1844) **[Recent]** ..... Qt Europe
305. *Scheloribates pallidulus* (C. L. Koch, 1841) **[Recent]** ..... Qt Germany
306. *Scheloribates setatus* Sellnick, 1931 ..... Pa Baltic amber

SELLNICKIIDAE Balogh & Balogh, 1984 ..... **Recent**
no fossil record

STELECHOBATIDAE Grandjean, 1965*b* ..... **Recent**
no fossil record

SYMBIORIBATIDAE Aoki, 1966*b* ..... **Recent**
no fossil record

TUBULOZETIDAE Balogh, 1989 ..... **Quaternary – Recent**
***Grandjeanobates* Ramsay, 1967** ..... **Quaternary – Recent**
?Grandjeanobates sp. ..... Qt New Zealand

ZETOMOTRICHIDAE Grandjean, 1954*b* ..... **Paleogene – Recent**
Zetomotrichidae sp. *in* Sidorchuk & Norton (2011) ..... P Baltic amber

CERATOZETOIDEA Jacot, 1925 ..... **Paleogene – Recent**
CERATOKALUMMIDAE Balogh, 1970 ..... **Recent**
no fossil record

CERATOZETIDAE Jacot, 1925 ..... **Paleogene – Recent**
***Ceratozetes* Berlese, 1908** ..... **Quaternary – Recent**
307. *Ceratozetes gracilis* (Michael, 1884)* **[Recent]** ..... Qt Finland
308. *Ceratozetes minimus* Sellnick, 1928 **[Recent]** ..... Qt Germany
309. *Ceratozetes parvulus* Sellnick, 1922 **[Recent]** ..... Qt Germany
Diapterobates* Grandjean, 1936*b ..... **Quaternary – Recent**
310. *Diapterobates notatus* (Thorell, 1871) **[Recent]** ..... Qt Europe / Greenland
***Edwardzetes* Berlese, 1914** ..... **Quaternary – Recent**
311. *Edwardzetes edwardsi* (Nicolet, 1855)* **[Recent]** ..... Qt western Norway
***Fuscozetes* Sellnick, 1928** ..... **Quaternary – Recent**
312. *Fuscozetes fuscipes* (C. L. Koch, 1844)* **[Recent]** ..... Qt western Norway
***Melanozetes* Hull, 1916** ..... **Paleogene – Recent**
313. *Melanozetes foderatus* Sellnick, 1931 ..... Pa Baltic amber
314. *Melanozetes mollicomus* **[Recent]** *fossilis* Sellnick, 1931 ..... Pa Baltic amber
315. *Melanozetes meridianus* Sellnick, 1928 **[Recent]** ..... Qt Greenland
Melanozetes sp. *in* Karppinen *et al.* (1979) ..... Qt Karelia, Russia

***Oromucia* Thor, 1930** ..... **Quaternary – Recent**

316. *Oromucia bicuspidata* Thor, 1930* **[Recent]** ..... Qt western Norway

***Sphaerozetes* Berlese, 1885** ..... **Paleogene – Recent**

317. *Sphaerozetes convexulus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

318. *Sphaerozetes pirifomis* (Nicolet, 1855) **[Recent]** ..... Qt Finland

319. *Sphaerozetes primus* Sellnick, 1931 ..... Pa Baltic amber

***Svalbardia* Thor, 1930** ..... **Paleogene – Recent**

320. *Svalbardia lucens* (L. Koch, 1879) **[Recent]** ..... Qt Arctic

i. = *Svalbardia rostralis* Druk, *in* Kiselev *et al*.,1982 ..... Qt Siberia

***Trichoribates* Berlese, 1910** ..... **Quaternary – Recent**

321. *Trichoribates biarea* Gjelstrup & Solhøy, 1994 **[Recent]** ..... Qt western Norway

322. *Trichoribates incisellus* (Kramer, 1897) **[Recent]** ..... Qt Europe

323. *Trichoribates monticola* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

324. *Trichoribates setiger* (Trägardh, 1910) **[Recent]** ..... Qt western Norway

325. *Trichoribates trimaculatus* (C. L. Koch, 1835)* **[Recent]** ..... Qt northern Europe

CHAMOBATIDAE Thor, 1937 ..... **Paleogene – Recent**

***Chamobates* Hull, 1916** ..... **Paleogene – Recent**

326. *Chamobates borealis* (Trägardh, 1902) **[Recent]** ..... Qt western Norway

327. *Chamobates cuspidatus* (Michael, 1884) **[Recent]** ..... Qt Finland

328. *Chamobates difficilis* Sellnick, 1931 ..... Pa Baltic amber

EUZETIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

***Euzetes* Berlese, 1908** ..... **Quaternary – Recent**

329. *Euzetes globulus* (Nicolet, 1855) **[Recent]** ..... Qt Finland

HUMEROBATIDAE Grandjean, 1970 ..... **Recent**

no fossil record

MYCOBATIDAE Grandjean, 1954*b* ..... **Quaternary – Recent**

***Mycobates* Hull, 1916** ..... **Quaternary – Recent**

330. *Mycobates consimilis* Hammer, 1952 **[Recent]** ..... Qt Greenland

331. *Mycobates parmeliae* (Michael, 1884) **[Recent]** ..... Qt Karelia, Russia

332. *Mycobates sarekenis* (Trägårdh, 1910) **[Recent]** ..... Qt western Norway

***Punctoribates* Berlese, 1908** ..... **Quaternary – Recent**

333. *Punctoribates punctum* (C. L. Koch, 1839) **[Recent]** ..... Qt Karelia, Russia

334. *Punctoribates sellnicki* Willmann, 1928 **[Recent]** ..... Qt Europe

Punctoribates sp. *in* Karppinen & Koponen (1973) ..... Qt Finland

ONYCHOBATIDAE Luxton, 1985 ..... **Recent**

no fossil record

RAMSAYELLIDAE Luxton, 1985 ..... **Recent**

no fossil record

ZETOMIMIDAE Shaldybina, 1966 ..... **Quaternary – Recent**

Zetomimus **author, date?** ..... **Quaternary – Recent**

335. *Zetomimus furcatus* (Pearce & Warburton, 1906)* **[Recent]** ..... Qt Karelia, Russia

GALUMNOIDEA Jacot, 1925 ..... **Palaeogene – Recent**

GALUMNELLIDAE Piffl, 1970 ..... **Quaternary – Recent**

Galumnella **Berlese, 1917** ..... **Quaternary – Recent**

Galumnella sp. *in* Aoki (1974) ..... Qt Mizunami copal

GALUMNIDAE Jacot, 1925 ..... **Palaeogene – Recent**

Galumnidae spp. *in* Norton & Poinar (1993) ..... Pa Baltic amber

Acrogalumna **Grandjean, 1956*b*** ..... **Quaternary – Recent**

336. *Acrogalumna longipluma* (Berlese, 1904)* **[Recent]** ..... Qt Karelia, Russia

Galumna **von Heyden, 1826** ..... **Palaeogene – Recent**

337. *Galumna clavata* Sellnick, 1931 ..... Pa Baltic amber

338. *Galumna diversa* Sellnick, 1931 ..... Pa Baltic amber

339. *Galumna lanceata* (Oudemanns, 1900) **[Recent]** ..... Qt Karelia, Russia

340. *Galumna obvia* (Berlese, 1915) **[Recent]** ..... Qt Finland

Galumna sp. *in* Karppinen & Koponen (1974) ..... Qt Finland

Pergalumna **Grandjean, 1936*b*** ..... **Quaternary – Recent**

341. *Pergalumna dorsalis* (C. L. Koch, 1835) **[Recent]** ..... Qt Finland

342. *Pergalumna nervosa* (Berlese, 1914)* **[Recent]** ..... Qt northern Europe

Pilogalumna **Grandjean, 1956*b*** ..... **Quaternary – Recent**

343. *Pilogalumna tenuiclava* (Berlese, 1908) **[Recent]** ..... Qt Germany

ASTIGMATA G. Canestrini, 1891 (cohort) ..... **Cretaceous – Recent**

= ACARIDIDA author, date?

Superfamily uncertain

† **LEVANTOGLYPHIDAE Klimov *et al.*, 2021** ..... **Cretaceous**

† ***Levantoglyphus*** **Klimov *et al.*, 2021** ..... **Cretaceous**

344. *Levantoglyphus sidorchukae* Klimov et al., 2021* ..... K Lebanese amber

† **GLAESACARIDAE Klimov & Sidorchuk *in* Sidorchuk & Klimov, 2011** ..... **Palaeogene**

Sidorchuk & Klimov (2011) discussed the problems in placing this extinct family

† ***Glaesacarus*** **Klimov & Sidorchuk *in* Sidorchuk & Klimov, 2011** ..... **Palaeogene – Recent**

345. *Glaesacarus rhombeus* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

SCHIZOGLYPHOIDEA Mahunka, 1978 ..... **Recent**

SCHIZOGLYPHIDAE Mahunka, 1978 ..... **Recent**

no fossil record

HISTIOSTOMATOIDEA Berlese, 1897 ..... **?Palaeogene – Recent**

GUANOLICHIDAE Fain, 1968 ..... **Recent**

no fossil record

HISTIOSTOMATIDAE Berlese, 1897 ..... **?Palaeogene – Recent**

Hististomatidae? [alternatively Acaridae] *in* Dunlop *et al*. (2012) ..... Pa Baltic amber

CANESTRINIOIDEA Berlese, 1884 ..... **Recent**

CANESTRINIIDAE Berlese, 1884 ..... **Recent**

no fossil record

CHETOCHELACARIDAE Fain, 1987 ..... **Recent**

no fossil record

HETEROCOPTIDAE Fain, 1967*b* ..... **Recent**

no fossil record

LEMANNIELLIDAE Wurst, 2001 ..... **Recent**

no fossil record

HEMISCARPOCTOIDEA Oudemans, 1908 ..... **Neogene – Recent**

ALGOPHAGIDAE Fain, 1974 ..... **Recent**

no fossil record

CARPOGLYPHIDAE Oudemans, 1923 ..... **Recent**

no fossil record

CHAETODACTYLIDAE Zachvatkin, 1941 ..... **Recent**

no fossil record

HEMISARCOPTIDAE Oudemans, 1908 ..... **Recent**

no fossil record

HYADESIIDAE Halbert, 1915 ..... **Recent**

no fossil record

MELIPONOCOPTIDAE Fain & Rosa, 1983 ..... **Recent**

no fossil record

WINTERSCHMIDTIIDAE Oudemans, 1923 ..... **Neogene – Recent**

† ***Amphicalvolia*** **Türk, 1963** ..... **Neogene – Recent**

346. *Amphicalvolia hurdi* Türk, 1963* ..... Ne Chiapas amber

GLYCOPHAGOIDEA Berlese, 1897 ..... **Recent**

AEROGLYPHIDAE Zachvatkin, 1941 ..... **Recent**

no fossil record

CHORTOGLYPHIDAE Berlese, 1897 ..... **Recent**

no fossil record

ECHIMYOPODIDAE Fain, 1967*a* ..... **Recent**

no fossil record

EUGLYCYPHAGIDAE Fain & Phillips, 1977 ..... **Recent**

no fossil record

GLYCYPHAGIDAE Berlese, 1897 ..... **Recent**

no fossil record

PEDETOPODIDAE Fain, 1969 ..... **Recent**

no fossil record

ROSENSTEINIIDAE Coorman, 1954 ..... **Recent**

= LOPHONOTACARIDAE Fain, 1987

= TROGLOTACARIDAE Fain, 1977

no fossil record

ACAROIDEA Latreille, 1802 ..... **Neogene – Recent**

ACARIDAE Latreille, 1802 ..... **Recent**

[query family placement?]

† ***Tyroglyphites*** **Pampaloni, 1902** ..... **Neogene – Recent**

347. *Tyroglyphites miocenicus* Pampaloni, 1902* ..... Ne Sicily

GAUDIELLIDAE Atyeo *et al*., 1974 ..... **Recent**

= PARTAMONACOPTIDAE author, date?

= PLATYGLYPHIDAE Kurosa, 1976

no fossil record

GLYCACARIDAE Griffiths, 1977 ..... **Recent**

no fossil record

LARDOGLYPHIDAE Oudemans, 1877 ..... **Recent**

no fossil record

SAPRACARIDAE Fain, 1988 ..... **Recent**

no fossil record

SCATOGLYPHIDAE Zachvatkin & Volgin, 1956 ..... **Recent**

no fossil record

SUIDASIIDAE Hughes, 1948 ..... **Recent**

no fossil record

TYROGLYPHIDAE Donnadieu, 1868 ..... **Quaternary – Recent**

Tyroglyphidae sp. *in* Aoki (1974) ..... Qt Mizunami copal

HYPODERATOIDEA Murray, 1877 ..... **Recent**

HYPODERATIDAE Murray, 1877 ..... **Recent**

no fossil record

PSOROPTIDIA Yunker, 1955 (unranked clade) ..... **Neogene – Recent**

PTEROLICHOIDEA Trouessart & Mégnin, 1884 ..... **Recent**

= FREYANOIDEA Dubinin, 1953

ASCOURACARIDAE Gaud & Atyeo, 1976 ..... **Recent**

no fossil record

CAUDIFERIDAE Gaud & Atyeo, 1978 ..... **Recent**

no fossil record

CHEYLABIDIDAE Gaud, 1983 ..... **Recent**

no fossil record

CRYPTUROPTIDAE Gaud, Atyeo & Berla, 1972 ..... **Recent**

no fossil record

EUSTATHIIDAE Oudemans, 1905 ..... **Recent**

no fossil record

FALCULIFERIDAE Oudemans, 1905 ..... **Recent**

no fossil record

FREYANIDAE Dubinin, 1953 ..... **Recent**

no fossil record

GABUCINIIDAE Gaud & Atyeo, 1975 ..... **Recent**

no fossil record

KIWILICHIDAE Dabert, 1994 ..... **Recent**

no fossil record

KRAMERELLIDAE Gaud & Mouchet, 1961 ..... **Recent**

no fossil record

OCHROLICHIDAE Gaud & Atyeo, 1978 ..... **Recent**

no fossil record

OCONNORIIDAE Gaud, Atyeo & Klompen, 1989 ..... **Recent**

no fossil record

PTEROLICHIDAE Trouessart & Mégnin, 1884 ..... **Recent**

no fossil record

PTILOXENIDAE Gaud, 1982 ..... **Recent**

no fossil record

RECTIJANUIDAE Gaud, 1961 ..... **Recent**

no fossil record

SYRINGOBIIDAE Trouessart, 1897 ..... **Recent**

no fossil record

THORACOSATHESIDAE Gaud & Mouchet, 1959 ..... **Recent**

no fossil record

VEXILLARIIDAE Gaud & Mouchet, 1959 ..... **Recent**

no fossil record

ANALGOIDEA Trouessart & Mégnin, 1884 ..... **Recent**

ALLOPTIDAE Gaud, 1957 ..... **Recent**

no fossil record

ANALGIDAE Trouessart & Mégnin, 1884 ..... **Recent**

no fossil record

APIONACARIDAE Gaud & Atyeo, 1977 ..... **Recent**

no fossil record

AVENZOARIIDAE Oudemans, 1905 ..... **Recent**

no fossil record

CYTODITIDAE Oudemans, 1908 ..... **Recent**

no fossil record

DERMATIONIDAE Fain, 1965 ..... **Recent**

no fossil record

DERMOGLYPHIDAE Mégnin & Trouessart, 1884 ..... **Recent**

no fossil record

EPIDERMOPTIDAE Trouessart, 1892 ..... **Recent**

no fossil record

GAUDOGLYPHIDAE Bruce & Johnston, 1976 ..... **Recent**

no fossil record

HETEROPSORIDAE Oudemans, 1908 ..... **Recent**

no fossil record

KNEMIDOKOPTIDAE Dubinin, 1953 ..... **Recent**

no fossil record

LAMINOSIOPTIDAE Vitzthum, 1931 ..... **Recent**

no fossil record

PROCTOPHYLLODIDAE Mégnin & Trouessart, 1884 ..... **Recent**

no fossil record

PSORALGIDAE Oudemans, 1908 ..... **Recent**

no fossil record

PSOROPTOIDIDAE Gaud, 1983 ..... **Recent**

no fossil record

PTERONYSSIDAE Oudemanns, 1941 ..... **Recent**

no fossil record

PTYSSALGIDAE Atyeo & Gaud, 1979 ..... **Recent**

no fossil record

PYROGLYPHIDAE Cunliffe, 1958 ..... **Recent**

no fossil record

TARSOCHEYLIDAE Atyeo & Gaud, 1979 ..... **Recent**

no fossil record

THYSANOCERCIDAE Atyeo & Peterson, 1972 ..... **Recent**

no fossil record

TROUESSARTIIDAE Gaud, 1957 ..... **Recent**

no fossil record

TURBINOPTIDAE Fain, 1957 ..... **Recent**

no fossil record

XOLALGIDAE Dubinin, 1953 ..... **Recent**

no fossil record

SARCOPTOIDEA Murray, 1877 ..... **Neogene–Recent**

= PSOROPTIOIDEA Canestrini, 1892

ACAROPTIDAE Womersley, 1953 ..... **Recent**

no fossil record

ATOPOMELIDAE Gunter, 1942 ..... **Neogene–Recent**

?Apotomelidae sp. [originally as Listrophoridae in Poinar 1988] ..... Ne Dominican amber

AUDYCOPTIDAE Lavoipierre, 1964 ..... **Recent**

no fossil record

CHIRODISCIDAE Trouessart, 1892 ..... **Recent**

no fossil record

CHIRORHYNCHOBIIDAE Fain, 1967 ..... **Recent**

no fossil record

GALAGALIDAE Fain, 1963 ..... **Recent**

no fossil record

GASTRONYSSIDAE Fain, 1956 ..... **Recent**

no fossil record

LEMURNYSIIDAE Fain, 1957 ..... **Recent**

no fossil record

LISTROPHORIDAE Mégnin & Trouessart, 1884 ..... **Recent**

no fossil record

LOBALGIDAE Fain, 1965 ..... **Recent**

no fossil record

MYCOPTIDAE Gunther, 1942..... **Recent**

no fossil record

PSOROPTIDAE Canestrini, 1892 ..... **Recent**

no fossil record

PNEUMOCOPTIDAE Fain, 1957 ..... **Recent**

no fossil record

RHYNCOPTIDAE Lawrence, 1956 ..... **Recent**

no fossil record

SARCOPTIDAE Murray, 1877 ..... **Recent**

no fossil record

NOMINA DUBIA

1. *Acarus resinosus* Presl, 1822 ..... Pa Baltic amber
2. *Strieremaeus cordiformatus* Sellnick, 1919 [as *species inquirenda*] ..... Pa Baltic amber

NOMINA NUDA

1. *Erythraeus hirsutissimus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
2. *Gymnodamaeus kulczynskii* Petrunkevitch, 1955*a* ..... Pa Baltic amber
3. *Trombidium fossile* Keferstein, 1834 ..... Pa Aix-en-Provence?

MISIDENTIFICATIONS

1. *Limnochares antiquus* Heyden, 1862 [larval hemipteran insect] ..... Pa Rott, Germany

RECENT CONTAMINENTS?

1. *Acarus siro* (Linnaeus, 1758) *in* Kumar *et al*. (2011) ..... P Chamba Valley, India
2. *Acarus indicus* Kumar, Ja Jha, Bhattacharya & Pande, 2011 ..... P Chamba Valley, India

   Sidorchuck (2018) regarded these species as immature nothroid oribatids, quite possibly modern contaminents

NON NAMES IN ZOOLOGY

taxa assigned to living mite genera based on the fossil responses of plant tissue (galls); see discussion in Dunlop & Braddy (2011)

1. *Eriophyes daphnogene* Ambrus & Hably, 1979 [fossil gall] ..... Pa Hungary
2. *Eryophies* [*sic*] *vilarrubiae* Villalta, 1957 [fossil gall] ..... Ne Spain

3. *Phytopus antiquus* van Heyden, 1860 [fossil gall] …….....….....Ne Rott, Germany

c. 36,900 Recent species according to Hallan (2004)

RICINULEI

25 currently valid species of fossil ricinuleid

RICINULEI Thorell, 1876*c* ..... **Carbon. – Recent**

= RHINOGASTRA Cook, 1899

= PODOGONA Cook, 1899

† **PRIMORICINULEI Wunderlich, 2015*c* (suborder)** ..... **Cretaceous**

† **PRIMORICINULEIDAE Wunderlich, 2015*c*** ..... **Cretaceous**

† ***Primoricinuleus* Wunderlich, 2015*c*** ..... **Cretaceous**

1. *Primoricinuleus pugio* Wunderlich, 2015*c** ..... K Burmese amber

† **HIRSUTISOMIDAE Wunderlich, 2017*b*** ..... **Cretaceous**

† ***Hirsutisoma* Wunderlich, 2017*b*** ..... **Cretaceous**

2. *Hirsutisoma acutiformis* Wunderlich, 2017*b* ..... K Burmese amber
3. *Hirsutisoma bruckschi* Wunderlich, 2017*b** ..... K Burmese amber
4. *Hirsutisoma dentata* Wunderlich, 2017*b* ..... K Burmese amber
5. *Hirsutisoma grimaldii* Botero-Trujillo, Davis, Michalik & Prendini, 2022 .. K Burmese amber

† **SIGILLARICINULEIDAE Wunderlich, 2022*b*** ..... **Cretaceous**

† ***Sigillaricinuleus* Wunderlich, 2022*b*** ..... **Cretaceous**

6. *Sigillaricinuleus Tripares* Wunderlich, 2022*b** ..... K Burmese amber

† **MONOOCULRCINULIDAE Wunderlich, 2017*b*** ..... **Cretaceous**

† ***Monooculricinuleus* Wunderlich, 2017*b*** ..... **Cretaceous**

7. *Monooculricinuleus incisus* Wunderlich, 2017*b** ..... K Burmese amber
8. *Monooculricinuleus semiglobosus* Wunderlich, 2017*b** ..... K Burmese amber

these two species appear to be misidentified laniatorids (Opiliones) from the family Sandokanidae; see also comments in Wunderlich & Müller (2018)

† **PALAEORICINULEI Selden, 1992 (suborder)** ..... **Carboniferous – ?Cret.**

Wunderlich (2012e) treated Selden's two suborders as superfamilies

Ricinulei indet. *in* Wunderlich (2012*e*) ..... K Burmese amber

† **CURCULIOIDIDAE Cockerell, 1916** ..... **Carboniferous**

† ***Amarixys* Selden, 1992** ..... **Carboniferous**

9. *Amarixys gracilis* (Petrunkevitch, 1945*a*) ..... C Mazon Creek
10. *Amarixys stellaris* Selden, 1992 ..... C Mazon Creek
11. *Amarixys sulcata* (Melander, 1903)* ..... C Mazon Creek

† ***Curculioides* Buckland, 1837** ..... **Carboniferous**

12. *Curculioides adompha* Brauckmann, 1987 ..... C Hagen-Vorhalle

13. *Curculioides ansticii* Buckland, 1837* ..... C Coalbrookdale
14. *Curculioides bohemondi* Whalen & Selden, 2021 ..... C Illinois, USA
15. *Curculioides eltringhami* Petrunkevitch, 1949 ..... C Crawcrook
16. *Curculioides gigas* Selden, 1992 ..... C Mazon Creek
17. *Curculioides granulatus* Petrunkevitch, 1949 ..... C Ilkeston
18. *Curculioides mcluckiei* Selden, 1992 ..... C Mazon Creek
19. *Curculioides pococki* Selden, 1992 ..... C Coseley
20. *Curculioides scaber* (Scudder, 1890*b*) ..... C Mazon Creek

† **POLIOCHERIDAE Scudder, 1884** ..... **Carboniferous – ?Cret.**

† ***Poliochera* Scudder, 1884** ..... **Carboniferous – ?Cret.**

21. ?*Poliochera cretacea* Wunderlich, 2012*e* ..... K Burmese amber
22. *Poliochera gibbsi* Selden, 1992 ..... C Illinois
23. *Poliochera glabra* Petrunkevitch, 1913 ..... C Mazon Creek
24. *Poliochera punctulata* Scudder, 1884* ..... C Mazon Creek

† ***Terpsicroton* Selden, 1992** ..... **Carboniferous**

25. *Terpsicroton alticeps* Selden, 1992* ..... C Coseley

NEORICINULEI Selden, 1992 (suborder) ..... Recent

RICINOIDIDAE Ewing, 1929 ..... **Recent**

= CRYPTOSTEMMIDAE Westwood, 1874

no fossil record

NOMINA DUBIA

1. *Poliochera* / *Curculioides pustulatus* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Kiaping

102 Recent species

ARACHNIDA and/or PANTETRAPULMONATA *incertae sedis*

7 currently valid, unplaced fossil arachnid and/or tetrapulmonate species

- all the species below have been suggested as possible members of the so-called pantetrapulmonate arachnids; i.e. spiders and their closest relatives
- *Idmonarachne* was specifically proposed as a putative sister-group to spiders
- several fossils originally interpreted as Carboniferous spiders lack obvious spinnerets and were transferred by Selden (2021) to Tetrapulmonata *incertae sedis*

† ***Ecchosis* Selden & Shear, 1991** ..... **Devonian**

1. *Ecchosis pulchribothrium* Selden & Shear *in* Selden *et al*., 1991* ..... D Gilboa

† ***Eocteniza* Pocock, 1911** ..... **Carboniferous**

2. *Eocteniza silvicola* Pocock, 1911* ..... C Coseley

† ***Idmonarachne* Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016** ..... **Carboniferous**

3. *Idmonarachne brasieri* Garwood, Dunlop, Selden, Spencer, Atwood, Vo & Drakopoulos, 2016* ..... C Montceau-les-Mines

† ***Protocteniza* Pocock, 1911** ..... **Carboniferous**

4. *Protocteniza britannica* Petrunkevitch, 1949* ..... C Coseley

† ***Rakovnicia* Kušta, 1884*a*** ..... **Carboniferous**

5. *Rakovnicia antiqua* Kušta, 1884*a** ..... C Rakovník

† ***Saccogulus* Dunlop, Fayers, Hass & Kerp, 2006** ..... **Devonian**

6. *Saccogulus seldeni* Dunlop, Fayers, Hass & Kerp, 2006* ..... D Rhynie chert

† ***Xenarachne* Dunlop & Poschmann, 1997** ..... **Devonian**

7. *Xenarachne wilwerathensis* Dunlop & Poschmann, 1997* ..... D Willwerath

no Recent species

TRIGONOTARBIDA

70 currently valid species of fossil trigonotarbid

† **TRIGONOTARBIDA Petrunkevitch, 1949** ..... **Silurian – Permian**

= ANTHRACOMARTI Karsch, 1882

= MERIDOGASTRA Thorell & Lindström, 1885

= EURYMARTI Matthew, 1895

plesion genus

† ***Palaeotarbus*** **Dunlop, 1999** ..... **Silurian**

= † *Eotarbus* Dunlop, 1996 [preoccupied]

1. *Palaeotarbus jerami* (Dunlop, 1996)* ..... S Ludford Lane

† **PALAEOCHARINIDAE Hirst, 1923** ..... **Devonian**

† ***Aculeatarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

2. *Aculeatarbus depressus* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Gelasinotarbus*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

3. *Gelasinotarbus bifidus* Shear, Selden & Rolfe, 1987 ..... D Gilboa
4. *Gelasinotarbus bonamoae* Shear, Selden & Rolfe, 1987* ..... D Gilboa
5. *Gelasinotarbus heptops* Shear, Selden & Rolfe, 1987 ..... D Gilboa
6. *Gelasinotarbus reticulatus* Shear, Selden & Rolfe, 1987 ..... D Gilboa

† ***Gigantocharinus*** **Shear, 2000** ..... **Devonian**

7. *Gigantocharinus szatmaryi* Shear, 2000* ..... D Red Hill, USA

† ***Gilboarachne*** **Shear, Selden & Rolfe, 1987** ..... **Devonian**

8. *Gilboarachne griersoni* Shear, Selden & Rolfe, 1987* ..... D Gilboa

† ***Palaeocharinus*** **Hirst, 1923** ..... **Devonian**

= † *Palaeocharinoides* Hirst, 1923

9. *Palaeocharinus calmani* Hirst, 1923 ..... D Rhynie cherts
10. *Palaeocharinus hornei* (Hirst, 1923) ..... D Rhynie cherts
11. *Palaeocharinus kidstoni* Hirst, 1923 ..... D Rhynie cherts
12. *Palaeocharinus rhyniensis* Hirst, 1923* ..... D Rhynie cherts
13. *Palaeocharinus scourfieldi* Hirst, 1923 ..... D Rhynie cherts
14. *Palaeocharinus tuberculatus* Fayers, Dunlop & Trewin, 2005 ..... D Rhynie cherts

† ***Spinocharinus*** **Poschmann & Dunlop, 2011** ..... **Devonian**

15. *Spinocharinus steinmeyeri* Poschman & Dunlop, 2011* ..... D Bürdenbach

† **ARCHAEOMARTIDAE Poschmann & Dunlop, 2010** ..... **Devonian**

† ***Archaeomartus*** **Størmer, 1970** ..... **Devonian**

16. *Archaeomartus levis* Størmer, 1970* ..... D Alken an der Mosel
    i. = *Archaeomartus tuberculatus* Størmer, 1970 ..... D Alken an der Mosel

† **ANTHRACOMARTIDAE Haase, 1890** ..... **Carboniferous**

= † PROMYGALIDAE Frič, 1904

= † BRACHYPYGIDAE Pocock, 1911

= † CORYPHOMARTIDAE Petrunkevitch, 1945

= † PLEOMARTIDAE Petrunkevitch, 1945

† ***Anthracomartus*** **Karsch, 1882** ..... **Carboniferous**

= † *Brachylycosa* Frič, 1904

= † *Cleptomartus* Petrunkevitch, 1949

= † *Coryphomartus* Petrunkevitch, 1945*a*

= † *Cryptomartus* Petrunkevitch, 1945*a*

= † *Oomartus* Petrunkevitch, 1953

= † *Perneria* Frič, 1904

= † *Pleomartus* Petrunkevitch, 1945*a*

= † *Promygale* Frič, 1901

17. *Anthracomartus bohemica* (Frič, 1901) ..... C Nýřany
18. *Anthracomartus carcinoides* (Frič, 1901) ..... C Nýřany
    i. = *Promygale rotundata* Frič, 1901 ..... C Nýřany
    ii. = *Perneria salticoides* Frič, 1904 ..... C ?Nýřany
19. *Anthracomartus elegans* Frič, 1901 ..... C Nýřany
20. *Anthracomartus hindi* Pocock, 1911 ..... C Coseley
    i. = *Cleptomartus hangardi* Guthörl, 1965 ..... C Saar, Germany
    ii. = *Cryptomartus meyeri* Guthörl, 1964 ..... C Aachen
    iii. = *Cleptomartus planus* Petrunkevitch, 1949 ..... C Coseley
    iv. = *Cryptomartus rebskei* Brauckmann, 1984 ..... C Saarbrücken
21. *Anthracomartus granulatus* Frič, 1904 ..... C Nowa Ruda
22. *Anthracomartus janae* (Opluštil, 1986) ..... C Kladno
23. *Anthracomartus kustae* Petrunkevitch, 1953 ..... C Rakovník
24. *Anthracomartus minor* Kušta, 1884 ..... C Rakovník
    i. = *Anthracomartus socius* Kušta, 1888 ..... C Rakovník
25. *Anthracomartus nyranensis* (Petrunkevitch, 1953) ..... C Nýřany
26. *Anthracomartus palatinus* Ammon, 1901 ..... C Brücken, Germany
27. *Anthracomartus preisti* Pocock, 1911 ..... C Coseley
    i. = *Anthracomartus denuiti* Pruvost, 1922 ..... C Charleroi
    ii. = *Cleptomartus plautus* Petrunkevitch, 1949 ..... C Coseley
28. *Anthracomartus radvanicensis* (Opluštil, 1985) ..... C Radvanice
29. *Anthracomartus triangularis* Petrunkevitch, 1913 ..... C Joggins
30. *Anthracomartus trilobitus* Scudder, 1884 ..... C Fayetteville
31. *Anthracomartus voelkelianus* Karsch, 1882* ..... C Europe

    Anthracomartus sp. *in* Wright & Selden (2011) ..... C Kansas

† ***Brachypyge*** **Woodward, 1878*b*** ..... **Carboniferous**

32. *Brachypyge carbonis* Woodward, 1878*b** ..... C Mons

† ***Maiocercus*** **Pocock, 1911** ..... **Carboniferous**

33. *Maiocercus celticus* (Pocock, 1902)* ..... C Coal Measures

i. = *Maiocercus orbicularis* Gill, 1911 ..... C Westhoughton

† **ANTHRACOSIRONIDAE Pocock, 1903*a*** ..... **Devonian – Carbon.**

† ***Anthracosiro*** **Pocock, 1903*a*** ..... **Carboniferous**

34. *Anthracosiro fritschii* Pocock, 1903*b* ..... C Coseley

i. = *Anthracosiro elongatus* Waterlot, 1934 ..... C Marlebach, France

35. *Anthracosiro woodwardi* Pocock, 1903*a** ..... C Coal Measues

i. = *Anthracosiro corsini* Pruvost, 1926 ..... C Noeux, France

ii. = *Anthracosiro latipes* Gill, 1909 ..... C Ryton-on-Tyne, UK

† ***Arianrhoda*** **Dunlop & Selden, 2004** ..... **Devonian**

36. *Arianrhoda bennetti* Dunlop & Selden, 2004* ..... D Tredomen

† ***Vratislavia*** **Frič, 1904** ..... **Carboniferous**

37. *Vratislavia silesica* (Roemer, 1878)* ..... C Silesia

† **TRIGONOTARBIDAE Petrunkevitch, 1949** ..... **Devonian – Carbon.**

† ***Trigonotarbus*** **Pocock, 1911** ..... **Devonian – Carbon.**

38. *Trigonotarbus arnoldi* Petrunkevitch, 1955*b* ..... C Decazeville

39. *Trigonotarbus johnsoni* Pocock, 1911* ..... C Coseley

40. *Trigonotarbus stoermeri* Schultka, 1991 ..... D Rheinischen Schief.

Family uncertain

† ***Aenigmatarbus*** **Poschmann, Dunlop, Bértoux & Galtier, 2016** ..... **Carboniferous**

41. *Aenigmatarbus rastelli* Poschmann, Dunlop, Bértoux & Galtier, 2016* .. C Graissessac, France

† ***Namurotarbus*** **Poschmann & Dunlop, 2010** ..... **Carboniferous**

42. *Namurotarbus roessleri* (Dunlop & Brauckmann, 2006)* ..... C Hagen-Vorhalle

† ***Permotarbus*** **Dunlop & Rößler, 2013** ..... **Permian**

43. *Permotarbus schuberti* Dunlop & Rößler, 2013 ..... P Chemnitz

† ***Tynecotarbus*** **Hradská & Dunlop, 2013** ..... **Carboniferous**

44. *Tynecotarbus tichaveki* Hradská & Dunlop, 2013 ..... C Týnec

† **LISSOMARTIDAE Dunlop, 1995** ..... **Carboniferous**

† ***Lissomartus*** **Petrunkevitch, 1949** ..... **Carboniferous**

45. *Lissomartus carbonarius* (Petrunkevitch, 1913) ..... C Mazon Creek

46. *Lissomartus schucherti* (Petrunkevitch, 1913)* ..... C Mazon Creek

† **APHANTOMARTIDAE Petrunkevitch, 1945*a*** ..... **Devonian – Permian**

= † TRIGONOMARTIDAE Petrunkevitch, 1949

† ***Alkenia*** **Størmer, 1970** ..... **Devonian**

47. *Alkenia mirabilis* Størmer, 1970* ..... D Alken an der Mosel

† ***Aphantomartus*** **Pocock, 1911** ..... **Carbon. – Permian**

= † *Trigonomartus* Petrunkevitch, 1913

= † *Phrynomartus* Petrunkevitch, 1945*a*

48. *Aphantomartus areolatus* Pocock, 1911* ..... C–P Coal Measues
    i. = *Aphantomartus pococki* Pruvost, 1912 ..... C Anzin, France
    ii. = *Trigonomartus dorlodoti* Pruvost, 1930 ..... C Rien, France
    iii. = *Eophrynus waechteri* Guthörl, 1938 ..... C Saar
    iv. = ?*Trigonomartus pruvosti* van der Heide, 1951 ..... C Limbourg
    v. = ?*Brachylycosa manebachensis* Müller, 1957 ..... C Rotliegenden
49. *Aphantomartus ilfeldicus* (Scharf, 1924) ..... P Rotliegend
50. *Aphantomartus pustulatus* (Scudder, 1884) ..... C Coal Measures
    i. = ?*Kreischeria villeti* Pruvost, 1912 ..... C Pas de Calais
    ii. = *Cleptomartus plötzensis* Simon, 1971 ..... C Halleschen Mulde

† **KREISCHERIIDAE Haase, 1890** ..... **Carboniferous**

† ***Anzinia* Petrunkevitch, 1953** ..... **Carboniferous**

51. *Anzinia thevenini* (Pruvost, 1919)* ..... C Anzin

† ***Gondwanarache* Pinto & Hünicken, 1980** ..... **Carboniferous**

52. *Gondwanarache argentinensis* Pinto & Hünicken, 1980* ..... C Bajo de Véliz

† ***Hemikreischeria* Frič, 1904** ..... **Carboniferous**

53. *Hemikreischeria geinitzi* (Thevenin, 1902)* ..... C France

† ***Kreischeria* Geinitz, 1882** ..... **Carboniferous**

54. *Kreischeria wiedei* Geinitz, 1882* ..... C Zwickau

† ***Pseudokreischeria* Petrunkevitch, 1953** ..... **Carboniferous**

55. *Pseudokreischeria pococki* (Gill, 1924) ..... C Crawcrook
    i. = *Eophrynus varius* Petrunkevitch, 1949 ..... C Crawcrook

† **EOPHRYNIDAE Karsch, 1882** ..... **Carboniferous**

= † HEMIPHRYNIDAE Frič, 1904

† ***Eophrynus* Woodward, 1871*b*** ..... **Carboniferous**

56. *Eophrynus prestvicii* (Buckland, 1837)* ..... C Coalbrookdale
57. *Eophrynus udus* Brauckmann, Koch & Kemper, 1985 ..... C Hagen-Vorhalle

† ***Nyranytarbus* Harvey & Selden, 1995** ..... **Carboniferous**

= † *Hemiphrynus* Frič, 1901 [preoccupied]

58. *Nyranytarbus hofmanni* (Frič, 1901) ..... C Nýřany
59. *Nyranytarbus longipes* (Frič, 1901)* ..... C Nýřany

† ***Petrovicia* Frič, 1904** ..... **Carboniferous**

60. *Petrovicia proditoria* Frič, 1904* ..... C Petrovice

† ***Planomartus* Petrunkevitch, 1953** ..... **Carboniferous**

61. *Planomartus krejcii* (Kušta, 1883)* ..... C Rakovník
    i. = *Anthracomartus affinis* Kušta, 1885 ..... C Rakovník

† ***Pleophrynus* Petrunkevitch, 1945*a*** ..... **Carboniferous**

62. *Pleophrynus verrucosus* (Pocock, 1911) ..... C Coal Measures

i. = *Eophrynus warei* Dix & Pringle, 1930 ..... C Glyncoch, UK
ii. = *Pleophrynus ensifer* Petrunkevitch, 1945*a** ..... C Mazon Creek
iii. = *Eophrynus jugatus* Ambrose & Romano, 1972 ..... C Kilmersdon, UK

63. *Pleophrynus hawsei* Dunlop, Wang, Selden & Krautz, 2014..... C Kinney Brick Quarry

† ***Pocononia*** **Petrunkevitch, 1953** ..... **Carboniferous**

64. *Pocononia whitei* (Ewing, 1930)* ..... C Pocono Shales

† ***Somaspidion*** **Jux, 1982** ..... **Carboniferous**

65. *Somaspidion hammapheron* Jux, 1982* ..... C Dinslaken

† ***Stenotrogulus*** **Frič, 1904** ..... **Carboniferous**

= † *Cyclotrogulus* Frič, 1904
= † *Pseudoeophrynus* Příbyl, 1958

66. *Stenotrogulus salmii* (Stur, 1877)* ..... C Ostrava
i. = *Cyclotrogulus sturii* Frič, 1904 [*non* Hasse, 1890] ..... C Ostrava
ii. = *Pseudoeophrynus ostraviensis* Příbyl, 1958 ..... C Ostrava

TRIGONOTARBIDA *incertae sedis*

† ***Anthracophrynus*** **Andrée, 1913** ..... **Carboniferous**

67. *Anthracophrynus tuberculatus* Andrée, 1913* ..... C Dudweiler

† ***Areomartus*** **Petrunkevitch, 1913** ..... **Carboniferous**

68. *Areomartus ovatus* Petrunkevitch, 1913* ..... C West Virginia

† **‘*Eophrynus*’**

69. ‘*Eophrynus*’ *scharfi* Scharf, 1924 ..... P Rotliegend

† ***Aphantomartus*** **Pocock, 1911** ..... **Carboniferous**

70. *Aphantomartus woodruffi* (Scudder, 1893) ..... C Rhode Island
as*Trigonomartus*

NOMINA DUBIA

1. *Anthracomartus buchi* (Goldenberg, 1873) ..... C Saarbrücken
2. *Anthracomartus hageni* (Goldenberg, 1873) ..... C Saarbrücken
3. *Elaverimartus pococki* Petrunkevitch, 1953 ..... C Ellismuir
   i. = *Palaeophalangium Scoticum* Peach *in* Murdoch, 1893 [*nomen nudum*]
4. *Eurymartus latus* Matthew, 1895 ..... C Fern Ledges
5. ?*Eurymartus spinulosus* Matthew, 1895 ..... C Fern Ledges

no Recent species

URARANEIDA

2 currently valid species of uraraneid

- The two uraraneids were previously interpreted as true spiders (Araneae), but are now thought to be a more basal lineage which produced silk but lacked spinnerets.
- Wunderlich (2015*b*) suggested that Uraraneida should be treated as suborder of Araneae, alongside an Araneida group for all true spiders.

† **URARANEIDA Selden & Shear *in* Selden *et al*., 2008** ..... **Devonian – Permian**

FAMILY UNCERTAIN

† ***Attercopus* Selden & Shear *in* Selden *et al*. (1991)** ..... **Devonian**

1. *Attercopus fimbriunguis* (Shear, Selden & Rolfe, 1987)* ..... D Gilboa, New York

† **PERMARACHNIDAE Eskov & Selden, 2005** ..... **Permian**

† ***Permarachne* Eskov & Selden, 2005** ..... **Permian**

2. *Permarachne novokshonovi* Eskov & Selden, 2005* ..... P Matveyevka

no Recent species

ARANEIDA

1,427 currently valid species of fossil spider

ARANEIDA Clerck, 1757 ..... **Carbon. – Recent**

Wunderlich (2019, 2020*b*) suggested dividing an order Araneida into two suborders: Chimerarachnida and Araneae; a scheme adopted by, e.g., Selden (2021)

† **CHIMERARACHNIDA Wunderlich, 2019** ..... **Cretaceous**

† **CHIMERARACHNIDAE Wunderlich, 2019** ..... **Cretaceous**

† ***Chimerarachne* Wang *et al*., 2018** ..... **Cretaceous**

1. *Chimerarachne yingae* Wang *et al*., 2018* ..... K Burmese amber

Wang *et al*. (2018) suggested this is a basal spider with a tail, while a companion paper by Huang *et al*. (2018) resolved it closer to uraraneids; species name was originally given erroneously as *yingi*

† ***Parachimerarachne* Wunderlich & Müller, 2022*a*** ..... **Cretaceous**

2. *Parachimerarachne longiflagellum* Wunderlich & Müller, 2022*a** ..... K Burmese amber

ARANEAE Clerck, 1757 ..... **Carbon. – Recent**

MESOTHELAE Pocock, 1892 ..... **Carbon. – Recent**

Mesothelae indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† **ARTHROLYCOSIDAE Harger, 1874** ..... **Carboniferous**

† ***Arthrolycosa* Harger, 1874** ..... **Carbon. – Permian**

3. *Arthrolycosa antiqua* Harger, 1874* ..... C Mazon Creek

Arthrolycosa sp. *in* Eskov & Selden (2005) ..... P Kityak river

Arthrolycosa sp. *in* Selden *et al*. (2014) ..... C Chunya, Russia

Arthrolycosa sp. *in* Selden *et al*. (2014) ..... C Donets Basin

Arthrolycosa sp. *in* Selden (2021) ..... C Writhlington, UK

† ***Protolycosa* Roemer, 1865** ..... **Carboniferous**

4. *Protolycosa anthracophilia* Roemer, 1865* ..... C Silesia
5. *Protolycosa cebennensis* Laurentiaux-Viera & Laurentiaux, 1963 ..... C Cévennes, France
6. *Protolycosa danielsi* (Petrunkevitch, 1913) ..... C Mazon Creek
7. *Protolycosa suazoi* Selden, 2021 ..... C Kinney Quarry, USA

† **PALAEOTHELIDAE Selden, 2021** ..... **Carboniferous**

† ***Palaeothele* Selden, 2000** ..... **Carboniferous**

= † *Eothele* Selden, 1996 [preoccupied]

8. *Palaeothele montceauensis* (Selden, 1996)* ..... C Montceau-les-Mines
9. *Palaeothele onoi* Selden, 2021 ..... C Mazon Creek

† **ARTHROMYGALIDAE Petrunkevitch, 1923** ..... **Carbon.–Cretaceous**

= † PARVITHELIDAE Wunderlich, 2017*c*

synonomy rejected by Wunderlich & Müller (2022)

† ***Geralycosa* Kušta, 1888** ..... **Carboniferous**

= † *Arthromygale* Petrunkevitch, 1923

10. *Geralycosa fritschi* Kušta, 1888* ..... C Rakovník

i. = *Arthromygale fortis* (Frič, 1904) ..... C Rakovník

ii. = *Arthrolycosa beecheri* Frič, 1904 ..... C Rakovník

† ***Parvithele* Wunderlich, 2017*c*** ..... **Cretaceous**

11. *Parvithele muelleri* Wunderlich, 2017*c** ..... K Burmese amber

12. *Parvithele spinipes* Wunderlich, 2017*c* ..... K Burmese amber

Parvithele sp. indet *in* Wunderlich (2017*c*, 2019) ..... K Burmese amber

† ***Pulvillothele* Wunderlich, 2017*c*** ..... **Cretaceous**

13. *Pulvillothele haupti* Wunderlich, 2017*c** ..... K Burmese amber

MESOTHELAE *incertae sedis*

† ***Eolycosa* Kušta, 1885** ..... **Carboniferous**

= † *Scudderia* Kušta, 1888 [preoccupied]

= † *Kustaria* Petrunkevitch, 1953 [replacement name for *Scudderia*]

14. *Eolycosa lorenzi* Kušta, 1885* ..... C Rakovník

i. = *Scudderia carbonaria* Kušta, 1888 ..... C Rakovník

† **EOMESOTHELIDAE Wunderlich, 2019** ..... **Cretaceous**

† ***Eomesothele* Wunderlich, 2019** ..... **Cretaceous**

8. *Eomesothele noninclinata* Wunderlich, 2019* ..... K Burmese amber

† ***Intermesothele* Wunderlich, 2019** ..... **Cretaceous**

9. *Intermesothelae pulcher* Wunderlich, 2019* ..... K Burmese amber

† **BURMATHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Burmathele* Wunderlich, 2015*b*** ..... **Cretaceous**

10. *Burmathele biseriata* Wunderlich, 2017*c** ..... K Burmese amber

Burmathele sp. indet. *in* Wunderlich (2017*c*, 2019) ..... K Burmese amber

† **CRETACEOTHELIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

† ***Cretaceothele* Wunderlich, 2015*b*** ..... **Cretaceous**

11. *Cretaceothele lata* Wunderlich, 2015*b** ..... K Burmese amber

LIPHISTIIDAE Pocock, 1892 ..... **Recent**

= HEPTATHELIDAE Haupt, 1983

no fossil record

OPISTHOTHELAE Pocock, 1892 ..... **Triassic – Recent**

Opisthothelae *incertae sedis*

† ***Eoatypus*** **McCook, 1888** ..... **Palaeogene**

12. *Eoatypus woodwardii* McCook, 1888* ..... Pa Isle of Wight

MYGALOMORPHAE Pocock, 1892 ..... **Triassic – Recent**

Mygalomorphae indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

Mygalomorphae indet. 1–2 *in* Wunderlich (2015*b*) ..... K Burmese amber

Mygalomorphae indet. 1–2 *in* Wunderlich (2017*c*) ..... K Burmese amber

Mygalomorphae indet. *in* Park *et al*. (2019) ..... K Jinju Form., Korea

Mygalomorphae indet. *in* Wunderlich & Müller (2022) ..... K Burmese amber

ATYPOIDEA Thorell, 1870*a* ..... **Triassic – Recent**

† ***Friularachne*** **Dalla Vecchia & Selden, 2013** ..... **Triassic**

13. *Friularachne rigoi* Dalla Vecchia & Selden, 2013* ..... Tr Friurli, Italy

ATYPIDAE Thorell, 1870*a* ..... **Cretaceous – Recent**

= CALOMMATOIDAE Thorell, 1887

?Atypidae indet. *In* Wunderlich, 2015*b* ..... K Burmese amber

† ***Ambiortiphagus*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

14. *Ambiortiphagus ponomarenkoi* Eskov & Zonstein, 1990* ..... K Central Mongolia

Atypus **Latreille 1804** ..... **Palaeogene – Recent**

= † *Balticatypus* Wunderlich, 2011*h*

Wunderlich (2020*a*) challenged Perkovsky *et al*.'s (2018) synonymy of *Balticatypus* with *Atypus*.

15. *Atypus beigeli* (Wunderlich, 2011*h*) ..... Pa Baltic amber

16. *Atypus juvenis* (Wunderlich, 2011*h*) ..... Pa Baltic amber

17. *Atypus spinosus* (Wunderlich, 2011*h*) ..... Pa Baltic amber

Atypus sp. *in* Perkovsky *et al*. (2018) ..... Pa Rovno amber

ANTRODIAETIDAE Gertsch *in* Comstock, 1940 ..... **Cretaceous – Recent**

= BRACHYBOTHRIDAE Simon, 1892

= ACCATYMIDAE Kishida, 1930

† ***Cretacattyma*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

18. *Cretacattyma raveni* Eskov & Zonstein, 1990* ..... K Central Mongolia

MECICOBOTHRIIDAE Holmberg, 1882 ..... **Cretaceous – Recent**

= HEXURIDAE Simon, 1889*b*

† ***Cretohexura*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

19. *Cretohexura coylei* Eskov & Zonstein, 1990* ..... K Transbaikalia

† ***Cretomegahexura*** **Eskov & Zonstein, 1990** ..... **Cretaceous**

20. *Cretomegahexura platnicki* Eskov & Zonstein, 1990* ..... K Central Mongolia

AVICULAROIDEA Author, date ..... **Triassic – Recent**

DIPLURIDAE Simon, 1889*b* ..... **Triassic – Recent**

Dipluridae sp. 1–3 *in* Wunderlich (2004*a*) ..... Pa Baltic amber

Dipluridae sp. *in* Wunderlich (2004*a*) ..... Ne Dominican amber

Dipluridae indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Dipluridae indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Alterphyxioschmoides* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

21. *Alterphyxioschmoides spicula* Wunderlich *in* Wunder. & Müller, 2021* .. K Burmese amber

† ***Cethegoides* Wunderlich, 2017*c*** ..... **Cretaceous**

22. *Cethegoides patricki* Wunderlich, 2017*c** ..... Pa Baltic / Bitt. amber

† ***Clostes* Menge, 1869** ..... **Palaeogene**

23. *Clostes priscus* Menge, 1869* ..... Pa Baltic / Bitt. amber

† ***Cretadiplura* Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

24. *Cretadiplura ceara* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Dinodiplura* Selden *in* Selden *et al*., 2006** ..... **Cretaceous**

25. *Dinodiplura ambulacra* Selden *in* Selden *et al*., 2006* ..... K Crato Formation

† ***Edwa* Raven, Jell & Knezour, 2015** ..... **Triassic**

26. *Edwa maryae* Raven, Jell & Knezour, 2015* ..... Tr Qnslnd., Australia

***Ischnothele* Ausserer, 1875** ..... **?Neogene – Recent**

?*Ischnothele* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Masteria* L. Koch, 1873** ..... **Neogene – Recent**

= † *Microsteria* Wunderlich, 1988

27. *Masteria sexoculata* (Wunderlich, 1988) ..... Ne Dominican amber

?Masteria sp. *in* Schawaller (1982*c*: as ?*Ischnothele*) ..... Ne Dominican amber

† ***Phyxioschemoides* Wunderlich, 2015*b*** ..... **Cretaceous**

28. *Phyxioschemoides collembola* Wunderlich, 2015*b** ..... K Burmese amber

† ***Seldischnoplura* Raven, Jell & Knezour, 2015** ..... **Cretaceous**

29. *Seldischnoplura seldeni* Raven, Jell & Knezour, 2015* ..... K Crato Formation

† **FOSSILCALCARIDAE Wunderlich, 2015*b*** ..... **Cretaceous**

† ***Fossilcalcar* Wunderlich, 2015*b*** ..... **Cretaceous**

30. *Fossilcalcar praeteritus* Wunderlich, 2015*b** ..... K Burmese amber

HEXATHELIDAE Simon, 1892*b* ..... **Triassic – Recent**

?Hexathelidae indet. *in* Wunderlich & Müller (2021) ..... K Burmese amber

† ***Alioatrx* Wunderlich, 2017*c*** ..... **Cretaceous**

31. *Alioatrax incertus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Rosamygale* Selden & Gall, 1992** ..... **Triassic**

32. *Rosamygale grauvogeli* Selden & Gall, 1992* ..... Tr Vosges, France

CTENIZIDAE Thorell, 1887 ..... **Cretaceous – Recent**

= HALONOPROCTIDAE Pocock, 1903

?Ctenizidae gen. et sp. Indet. *in* Wunderlich (2020*b*) ..... K Tilin amber

† ***Baltocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

33. *Baltocteniza kulickae* Eskov & Zonstein, 2000 ..... Pa Baltic amber

† ***Electrocteniza*** **Eskov & Zonstein, 2000** ..... **Palaeogene**

34. *Electrocteniza sadilenkoi* Eskov & Zonstein, 2000 ..... Pa Baltic amber

† ***Parvocteniza*** **Wunderlich, 2020*b*** ..... **Cretaceous**

35. *Parvocteniza parvula* Wunderlich, 2020*b* ..... K Burmese amber

Ummidia **Thorell, 1875** ..... **Palaeogene – Recent**

36. *Ummidia damzeni* Wunderlich, 2000 ..... Pa Baltic amber

37. *Ummidia malinowskii* Wunderlich, 2000 ..... Pa Baltic amber

Ummidia sp. *in* Wunderlich (2004*a*) ..... Pa Baltic amber

?Ummidia sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

EUCTENIZIDAE Raven, 1985 ..... **Recent**

no fossil record

CYRTAUCHENIIDAE Simon, 1892*b* ..... **Neogene – Recent**

Bolostromus **Ausserer, 1875** ..... **Neogene – Recent**

38. *Bolostromus destructus* Wunderlich, 1988 ..... Ne Dominican amber

BARYCHELIDAE Simon, 1889*b* ..... **Neogene – Recent**

Psalistops **Simon, 1889*b*** ..... **Neogene – Recent**

39. *Psalistops hispaniolensis* Wunderlich, 1988* ..... Ne Dominican amber

THERAPHOSIDAE Thorell, 1870*a* ..... **Cretaceous – Recent**

= AVICULARIIDAE Simon, 1874

Theraphosidae gen. et sp. indet. *in* Dunlop *et al.* (2008) ..... Ne Chiapas amber

Hemirraghus **Simon, 1903** ..... **Neogene – Recent**

Hemirraghus sp. *in* García-Villafuerte (2008) ..... Ne Chiapas amber

† ***Ischnocolinopsis*** **Wunderlich, 1988** ..... **Neogene**

40. *Ischnocolinopsis acutus* Wunderlich, 1988* ..... Ne Dominican amber

† ***Protertheraphosa*** **Wunderlich, 2020*b*** ..... **Cretaceous**

41. *Protertheraphosa spinipes* Wunderlich, 2020*b** ..... Ne Dominican amber

NEMESIIDAE Simon, 1892*b* ..... **Cretaceous – Recent**

= PYCNOTHELIDAE Chamberlin, 1917

Nemesiidae juvenile indet. *in* Wunderlich (2020*b*) ..... K Burmese amber

† ***Burmesia*** **Wunderlich, 2020*b*** ..... **Cretaceous**

needs replacing, junior homonym of the bivalve genus *Burmesia* Healy, 1908

42. *Burmesia sordida* Wunderlich, 2020*b** ..... K Burmese amber

† ***Cretamygale*** **Selden, 2002** ..... **Cretaceous**

43. *Cretamygale chasei* Selden, 2002* ..... K Isle of Wight

† ***Eodiplurina*** **Petrunkevitch, 1922** ..... **Palaeogene**

Selden (2001) questioned this familial placement based on claw structure

44. *Eodiplurina cockerelli* Petrunkevitch, 1922* ..... Pa Florissant

† ***Myannemesia*** **Wunderlich, 2020*b*** ..... **Cretaceous**

45. *Myannemesia glaber* Wunderlich, 2020*b* ..... K Burmese amber

MICROSTIGMATIDAE Roewer, 1942 ..... **Neogene – Recent**

= MICROMYGALIDAE Wunderlich, 2004*b*

† ***Parvomygale*** **Wunderlich, 2004*b*** ..... **Neogene**

46. *Parvomygale distincta* Wunderlich, 2004*b** ..... Ne Dominican amber

ACTINOPODIDAE Simon, 1892*b* ..... **Recent**

= ERIODONTIDAE C. L. Koch & Berendt, 1854

based on a generic synonym; listed in Bonnet as syn. of Clubionidae!

no fossil record

MIGIDAE Simon, 1892*b* ..... **Recent**

no fossil record

PARATROPIDIDAE Simon, 1889*a* ..... **Recent**

no fossil record

IDIOPIDAE Simon, 1892*b* ..... **Cretaceous – Recent**

Idiopidae juvenile indet. 1–3 *in* Wunderlich (2020*b*) ..... K Burmese amber

ARANEOMORPHAE Smith, 1902 ..... Triassic – Recent

ARANEOMORPHAE indet.

Araneomorphae indet. *in* Park *et al*. (2019) ..... K Jinju Form., Korea

† ***Argyrarachne*** **Selden *in* Selden *et al*., 1999** ..... **Triassic**

47. *Argyrarachne solitus* Selden *in* Selden *et al*., 1999* ..... Tr Virginia

† ***Triassaraneus*** **Selden *in* Selden *et al*., 1999** ..... **Triassic**

48. *Triassaraneus andersonorum* Selden *in* Selden *et al*., 1999* ..... Tr KwaZulu-Natal

HYPOCHILIDAE Marx, 1888 ..... **Recent**

= ECTATOSTICTIDAE Lehtinen, 1967

no fossil record

FILISTATIDAE Ausserer, 1867 ..... **Neogene – Recent**

Antilloides **Brescovit, Sánchez-Ruiz & Alayón, 2016** ..... **Neogene – Recent**

49. *Antilloides didicostae* (Penney, 2005*a*) ..... Ne Dominican amber

SYNSPERMIATA Michalik & Ramírez, 2014 ..... **Jurassic – Recent**

TROGLORAPTORIDAE Griswold, Audisio & Ledford, 2012 ..... **Recent**

no fossil record

† **BURMORSOLIDAE Wunderkich 2015b** ..... **Cretaceous**

raised from a subfamily to a family by Wunderlich (2020*b*)

† ***Burmorsolus*** **Wunderlich, 2015*b***..... **Cretaceous**

= † *Loxoderces* Wunderlich, 2017*c*

= † *Pseudorsolus* Wunderlich, 2017*c*

50. *Burmorsolus crassus* (Wunderlich, 2015*b*) ..... K Burmese amber
51. *Burmorsolus curvatus* (Wunderlich, 2017*c*) ..... K Burmese amber
52. *Burmorsolus globosus* Wunderlich, 2020*b* ..... K Burmese amber
53. *Burmorsolus nonplumosus* Wunderlich, 2015*b** ..... K Burmese amber
54. *Burmorsolus longembolus* Wunderlich, 2020*b* ..... K Burmese amber
55. *Burmorsolus longibulbus* Wunderlich, 2020*b* ..... K Burmese amber
56. *Burmorsolus longicymbium* (Wunderlich, 2017*c*) ..... K Burmese amber
57. *Burmorsolus longitibia* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber
58. *Burmorsolus rectus* (Wunderlich, 2017*c*) ..... K Burmese amber

Burmorsolus sp. indet. *in* Wunderlich (2015*b*, 2020*b*), Wunderlich & Müller (2021) ..... K Burmese amber

CAPONIIDAE Simon, 1890..... **Neogene – Recent**

= COLOPHONIDAE O. P.-Cambridge, 1874 [based on a generic homonym]

Nops **MacLeay, 1839** ..... **Neogene – Recent**

Nops sp. *in* Wunderlich (1988) ..... Ne Dominican amber

59. *Nops lobatus* Wunderlich, 1988..... Ne Dominican amber
60. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal
    i. = *Nops segmentatus* Wunderlich, 1988 ..... Ne Dominican amber

DYSDEROIDEA Bristowe, 1938 ..... **Cretaceous – Recent**

?Dysderoidea s. l. indet 1–2 in Wunderlich (2008*d*) ..... K Burmese amber

SEGESTRIIDAE Simon, 1893 ..... **Cretaceous – Recent**

?Segestriidae indet in Wunderlich (2008d) ..... K Burmese amber

Ariadna **Audouin, 1826** ..... **Palaeogene – Recent**

61. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal
62. *Ariadna copalis* Wunderlich, 2008*a* ..... Qt ?Madagascan copal
63. *Ariadna defuncta* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
64. *Ariadna hintzei* Wunderlich, 2004*as* ..... Qt Madagascan copal
65. *Ariadna ovalis* Wunderlich, 2008*a* ..... Pa Baltic amber
66. *Ariadna parva* Wunderlich, 2008*a* ..... Pa Baltic amber
67. *Ariadna paucispinosa* Wunderlich, 1988 ..... Ne Dominican amber
68. *Ariadna resinae* Hickman, 1957..... Ne? Australian copal

?*Ariadna* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Jordariadna* Wunderlich, 2015*b*** ..... **Cretaceous**

69. *Jordanariadna amissiocoli* (Wunderlich, 2008d)* ..... K Jordanian Amber

† ***Lebansegestria* Wunderlich, 2008*d*** ..... **Cretaceous**

70. *Lebansegestria azari* Wunderlich, 2008*d** ..... K Lebanese amber

† ***Magnosegestria* Wunderlich, 2020*b*** ..... **Cretaceous**

71. *Magnosegestria tuber* Wunderlich, 2020*b* ..... K Burmese Amber

† ***Microsegestria* Wunderlich & Milki, 2004** ..... **Cretaceous**

72. *Microsegestria poinari* Wunderlich & Milki, 2004* ..... K Lebanese amber

† ***Palaeosegestria* Penney, 2004*a*** ..... **Cretaceous**

73. *Palaeosegestria lutzzii* Penney, 2004*a** ..... K New Jersey amber

Segestria* Latreille, 1804*a ..... **Cretaceous – Recent**

74. *Segestria flexio* Wunderlich, 2004*c* ..... Pa Baltic amber

75. *Segestria mortalis* Wunderlich 2004*c* ..... Pa Baltic amber

76. *Segestria plicata* Petrunkevitch, 1950 Pa Baltic amber

77. *Segestria scudderi* Petrunkevitch, 1922 ..... Pa Florissant

78. *Segestria secessa* Scudder, 1890*a* ..... Pa Florissant

79. *Segestria tomentosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

i. = *Segestria plicata* Petrunkevitch, 1950 [provisional] Pa Baltic amber

Segestria sp. *in* Penney (2002) ..... K New Jersey amber

Segestria sp. *in* Wunderlich (2004*c*) ..... Pa Baltic amber

Segestria sp. *in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Vetsegestria* Wunderlich, 2004*c*** ..... **Palaeogene**

80. *Vetsegestria quinquespinosa* Wunderlich, 2004*c** ..... Pa Baltic / Bitter. Amber

† **PARVOSEGESTRIIDAE Wunderlich, 2020*b*** ..... **Cretaceous**

† ***Parvosegestria* Wunderlich, 2015*b*** ..... **Cretaceous**

= † *Denticulsegestria* Wunderlich, 2015*b*

= † *Jordansegestria* Wunderlich 2015*b* [questionable synonym; Wunderlich (2020*b*)]

= † *Myansegestria* Wunderlich, 2015*b* [questionable synonym; Wunderlich (2020*b*)]

81. *Parvosegestria caederens* (Wunderlich 2015*b*) ..... K Burmese Amber

82. *Parvosegestria detruneo* (Wunderlich, 2015*b*) ..... K Jordanian Amber

83. *Parvosegestria engin* (Wunderlich, 2015*b*) ..... K Burmese Amber

84. *Parvosegestria longitibialis* Wunderlich, 2015*b* ..... K Burmese Amber

85. *Parvosegestria obscura* Wunderlich, 2015*b** ..... K Burmese Amber

86. *Parvosegestria pintgu* Wunderlich, 2015*b* ..... K Burmese Amber

87. *Parvosegestria rugosa* (Wunderlich, 2015*b*) ..... K Burmese Amber

88. *Parvosegestria triplex* Wunderlich, 2015*b* ..... K Burmese Amber

Parvosegestria sp. indet *in* Wunderlich (2020b) ..... K Burmese Amber

OONOPIDAE Simon, 1890 ..... **Cretaceous – Recent**

Oonopidae gen. et sp. *in* Penney (2002) ..... K New Jersey amber

Oonopidae indet. *in* Wunderlich & Müller (2022*b*) ..... Ne Chiapas amber

† ***Burmorchestina* Wunderlich, 2008*a*** ..... **Cretaceous**

89. *Burmorchestina acuminata* Wunderlich, 2017*c*..... K Burmese amber
90. *Burmorchestina biangulata* Wunderlich, 2017*c*..... K Burmese amber
91. *Burmorchestina circular* Wunderlich, 2020*b*..... K Burmese amber
92. *Burmorchestina plana* Wunderlich, 2017*c*..... K Burmese amber
93. *Burmorchestina prominens* Wunderlich, 2020*b*..... K Burmese amber
94. *Burmorchestina pulcher* Wunderlich, 2008*a** ..... K Burmese amber
95. *Burmorchestina pulcheroides* Wunderlich, 2017*c*..... K Burmese amber
96. *Burmorchestina tuberosa* Wunderlich, 2017*c*..... K Burmese amber

Burmorchestina sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Canadaorchestina* Wunderlich, 2008a** ..... **Cretaceous**

97. *Canadaorchestina albertenis* (Penney, 2006*a*)* ..... K Canadian amber

† ***Fossilopaea* Wunderlich, 1988** ..... **Neogene**

98. *Fossilopaea sulci* Wunderlich, 1988* ..... Ne Dominican amber

***Heteroonops* Dalmas, 1916** ..... **Neogene – Recent**

Heteroonops sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Opopaea* Simon, 1891** ..... **?Neogene – Recent**

?*Opopaea* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Orchestina* Simon, 1882** ..... **Cretaceous – Recent**

99. *Orchestina* (*Baltorchestina*) *angulata* Wunderlich, 2012*f*

[replacement name]..... Pa Bitterfeld amber

i. = *Orchestina* (*B.*) *rectangulata* Wunderlich, 2011*h* [preoccupied]

100. *Orchestina baltica* Petrunkevitch, 1942 ..... Pa Baltic amber
101. *Orchestina* (*Baltorchestina*) *bitterfeldensis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber
102. *Orchestina breviembolus* Wunderlich, 1981 ..... Pa Baltic amber
103. *Orchestina* (*Baltorchestina*) *brevis* Wunderlich, 2008*a* ..... Pa Baltic / Bitter. Amber
104. *Orchestina crassiembolus* Wunderlich, 1981 ..... Pa Baltic amber
105. *Orchestina* (*Baltorchestina*) *crassipatellaris* Wunderlich, 1981 ..... Pa Baltic amber
106. *Orchestina* (*Baltorchestina*) *crassitibialis* Wunderlich, 1981 ..... Pa Baltic amber
107. *Orchestina* (*Baltorchestina*) *colchembolus* Wunderlich, 1981 ..... Pa Baltic amber
108. *Orchestina colombiensis* Wunderlich, 2004*at* ..... Qt Colombian copal
109. *Orchestina dominicana* Wunderlich, 1981 ..... Ne Dominican amber
110. *Orchestina forceps* Wunderlich, 1981 ..... Pa Baltic amber
111. *Orchestina* (*Baltorchestina*) *forfex* Wunderlich, 2011*h*..... Pa Baltic amber
112. *Orchestina* (*Baltorchestina*) *furca* Wunderlich, 1981 ..... Pa Baltic amber
113. *Orchestina fushunensis* Wunderlich, 2004*au* ..... Pa Fu Shun amber
114. *Orchestina gappi* Saupe *et al*., 2012 ..... K Archingeay amber
115. *Orchestina gracilitibialis* Wunderlich, 2004c ..... Pa Baltic amber
116. *Orchestina* (*Baltorchestina*) *imperialis* Wunderlich, 1981 ..... Pa Baltic amber
117. *Orchestina kenyana* Wunderlich, 1981 ..... Qt East African copal

118. *Orchestina longimana* Wunderlich, 1981 ..... Qt East African copal
119. *Orchestina madagascariensis* Wunderlich, 2004*as* ..... Qt Madagascan copa
120. *Orchestina mortua* Petrunkevitch, 1971 ..... Ne Chiapas amber
121. *Orchestina* (*Baltorchestina*) *multisetae* Wunderlich, 2008*a* ..... Pa Baltic amber
122. *Orchestina* (*Gallorchestina*) *parisiensis* Penney, 2007*b* ..... Pa Le Quesnoy amber
123. *Orchestina* (*Baltorchestina*) *perfecta* Wunderlich, 2008*a* ..... Pa Baltic amber
124. *Orchestina rabagensis* Saupe *et al*., 2012 ..... K El Soplao amber
125. *Orchestina* (*Baltorchestina*) *rectangulata* Wunderlich, 2008*a* ..... Pa Baltic amber
126. *Orchestina sakhalinensis* Marusik, Perkovsky & Eskov, 2018 ..... Pa Sakhalinian amber
127. *Orchestina* (*Baltorchestina*) *sternalis* Wunderlich, 2008*a* ..... Pa Baltic amber
128. *Orchestina tibialis* Wunderlich, 1988 ..... Ne Dominican amber
129. *Orchestina truncata* Wunderlich, 2004*at* ..... Qt Colombian copal
130. *Orchestina tuberosa* Wunderlich, 1981 ..... Pa Baltic amber
Orchestina sp. *in* Nishikawa (1974) ..... Qt Mizunami copal
Orchestina sp. *in* Penney (2006) ..... K Burmese amber
Orchestina sp. *in* Saupe *et al*. (2012) ..... K Álava amber
Orchestina sp. *in* Soriano *et al*. (2010) ..... K San Just amber
Orchestina sp. *in* Wunderlich (2011*h*) ..... Pa Bitterfeld amber

***Stenoonops* Simon, 1891** ..... **Palaeogene – Recent**
131. *Stenoonops incertus* (Wunderlich, 1988) ..... Ne Dominican amber
132. ?*Stenoonops rugosus* Wunderlich, 2004*c* ..... Pa Bitterfeld amber
133. *Stenoonops seldeni* (Penney, 2000) ..... Ne Dominican amber

ORSOLOBIDAE Cooke, 1965 ..... **Recent**
no fossil record

† **PLUMORSOLIDAE Wunderlich, 2008d** ..... **Cretaceous**
?Plumorsolidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber
?Plumorsolidae indet. *in* Wunderlich (2011*i*) ..... K Burmese amber
† ***Plumorsolus* Wunderlich, 2008*d*** ..... **Cretaceous**
134. *Plumorsolus gondwanensis* Wunderlich, 2008*d* ..... K Lebanese amber

DYSDERIDAE C. L. Koch, 1837 ..... **Palaeogene – Recent**
† ***Dasumiana* Wunderlich, 2004c** ..... **Palaeogene**
135. *Dasumiana emicans* Wunderlich, 2004*c** ..... Pa Baltic amber
136. ?*Dasumiana subita* (Petrunkevitch, 1958) ..... Pa Baltic amber
137. *Dasumiana valga* Wunderlich, 2004*c* ..... Pa Baltic amber
***Dysdera* Latreille, 1804** ..... **Palaeogene – Recent**
138. *Dysdera dilatata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang
***Harpactea* Bristowe, 1939** ..... **Palaeogene – Recent**
139. *Harpactea communis* Wunderlich, 2004*c* ..... Pa Baltic amber
140. *Harpactea extincta* Petrunkevitch, 1950 ..... Pa Baltic amber

141. *Harpactea hombergi* (Scopoli, 1763) **[Recent]** ..... Qt England
142. *Harpactea longibulbus* Wunderlich, 2011*h*..... Pa Baltic amber
143. *Harpactea tersa* (C. L. Koch & Berendt, 1854) [provisional transfer] ..... Pa Baltic amber
Harpactea sp. *in* Wunderlich (2011*h*) ..... Pa Bitterfeld amber

† ***Segistriites* Straus, 1967** ..... **Neogene**
144. *Segistriites cromei* Straus, 1967*..... Ne Willershausen

Dysderidae?

† ***Mistura* Petrunkevitch, 1971** ..... **Neogene**
145. *Mistura perplexa* Petrunkevitch, 1971* ..... Ne Chiapas amber

SCYTODOIDEA Blackwall, 1864 ..... **Cretaceous – Recent**

SICARIIDAE Keyserling, 1880*a* ..... **Neogene – Recent**

= LOXOSCELIDAE Simon, 1893

***Loxosceles* Heineken & Lowe, 1832** ..... **Neogene – Recent**
146. *Loxosceles aculicaput* Wunderlich, 2004*c* ..... Ne Dominican amber
147. *Loxosceles defecta* Wunderlich, 1988 ..... Ne Dominican amber
148. *Loxosceles deformis* Wunderlich, 1988 ..... Ne Dominican amber
Loxosceles sp. *in* Wunderlich (1988) ..... Ne Dominican amber

DRYMUSIDAE Simon, 1893 ..... **Recent**

no fossil record

PERIEGOPIDAE Simon, 1893 ..... **Recent**

no fossil record

OCHYROCERATIDAE Fage, 1912 *s. l.* [incl. PSILODERCINAE] ..... **Cretaceous – Recent**

Wunderlich (2015*b*, 2017*c*) recognised Psilodercidae as a distinct family

?Eopsilodercidae indet. 1–3 *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Aculeatosoma* Wunderlich, 2017*c*** ..... **Cretaceous**

Wunderlich & Müller (2022) suggested possible affinities to Burmorsoloidae

149. *Aculeatosoma pyritmutatio* Wunderlich, 2017*c* ..... K Burmese amber

† ***Arachnolithulus* Wunderlich, 1988** ..... **Neogene**
150. *Arachnolithulus longipes* Wunderlich, 2004*c* ..... Ne Dominican amber
151. *Arachnolithulus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber
?*Arachnolithulus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Priscaleclercera* Wunderlich, 2017*c*** ..... **Cretaceous**
152. *Priscaleclercera brevispinae* Wunderlich, 2017*c*..... K Burmese amber
153. *Priscaleclercera ellenbergeri* Wunderlich, 2015*b**..... K Burmese amber
154. *Priscaleclercera furcata* Wunderlich, 2020*b**..... K Burmese amber
155. *Priscaleclercera hamo* Wunderlich, 2020*b**..... K Burmese amber
156. *Priscaleclercera liber* Wunderlich, 2020*b**..... K Burmese amber

157. *Priscaleclercera longissipes* (Wunderlich, 2012*d*) ..... K Burmese amber
158. *Priscaleclercera paucispinae* Wunderlich, 2017*c*..... K Burmese amber
159. *Priscaleclercera sexaculeata* (Wunderlich, 2015*b*).....K Burmese amber
160. *Priscaleclercera spicula* (Wunderlich, 2012*d*) ..... K Burmese amber
Priscaleclercera sp. indet. *in* (Wunderlich, 2015*b*)..... K Burmese amber
Priscaleclercera sp. indet. *in* (Wunderlich, 2017*c*) ..... K Burmese amber

† ALIENDIGUETIDAE Wunderlich, 2020*b*

† ***Aliendiguetia* Wunderlich, 2020*b*** ..... **Cretaceous**
161. *Aliendiguetia praecursor* Wunderlich, 2020*b* ..... K Burmese amber

† EOPSILODERCIDAE Wunderlich, 2008*d*

Wunderlich (2012*d*) recognised this as a junior synonym of a family Psilodercidae, but Wunderlich (2015*b*) subsequently reinstated the family

† ***Eopsiloderces* Wunderlich, 2008*d*** ..... **Cretaceous**
162. *Eopsiloderces filiformis* (Wunderlich, 2012*d*) .....K Burmese amber
163. *Eopsiloderces loxosceloides* Wunderlich, 2008*d** ..... K Burmese amber
164. *Eopsiloderces serenitas* Wunderlich, 2015*b*..... K Burmese amber
Eopsiloderces sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Propterpsiloderces* Wunderlich, 2015*b***..... **Cretaceous**
165. *Propterpsiloderces crassitibia* Wunderlich, 2020*b**..... K Burmese amber
166. *Propterpsiloderces cymbioseta* Wunderlich, 2020*b**..... K Burmese amber
167. *Propterpsiloderces duplex* Wunderlich, 2020*b**..... K Burmese amber
168. *Propterpsiloderces longisetae* Wunderlich, 2015*b**..... K Burmese amber
169. *Propterpsiloderces similis* Wunderlich *in* Wunderlich & Müller, 20201 ... K Burmese amber

SCYTODIDAE Blackwall, 1864 ..... **Cretaceous – Recent**
Syctodidae sp. 1–2 *in* Wunderlich (2004*b*) ..... Pa Bitterfeld amber

***Scytodes* Latreille, 1804a** ..... **?Cretaceous – Recent**
170. ?*Scytodes hani* Wunderlich, 2012*d* ..... K Jordanian amber
171. *Scytodes marginalis* Wunderlich, 2004*as* ..... Qt Madagascan copal
172.*Scytodes piliformis* Wunderlich, 1988 ..... Ne Dominican amber
173. *Scytodes planithorax* Wunderlich, 1988 ..... Ne Dominican amber
174. *Scytodes stridulans* Wunderlich, 1988 ..... Ne Dominican amber
175. *Scytodes weitschati* Wunderlich, 1993*a* .....Pa Baltic amber
Scytodes sp. *in* Wunderlich (1988) .....Ne Dominican amber
Scytodes sp. *in* Wunderlich (2011*h*) .....Pa Baltic amber

PRAEPHOLCIDAE Wunderlich, 2017*c* ..... **Cretaceous**

subfamily raised to a family by Wunderlich (2020*b*)

† ***Hamoderces* Wunderlich, 2020*b*** ..... **Cretaceous**
176. *Hamoderces opilionoides* Wunderlich, 2020*b** ..... K Burmese amber

† ***Praepholcus* Wunderlich, 2017*c*** ..... **Cretaceous**

177. *Praepholcus huberi* Wunderlich, 2017*c** ..... K Burmese amber

Praepholcus sp. indet. *in* (Wunderlich 2020*b*) ..... K Burmese amber

LOST TRACHEA CLADE

TETRABLEMMIDAE O. P.-Cambridge, 1873 ..... **Cretaceous – Recent**

= PHAEDOMOIDAE Thorell, 1890 [based on a generic homonym]

= PACULLIDAE Simon, 1894

Tetrablemmidae gen. indet. *in* Wunderlich (2012*d*) ..... K Burmese amber

Tetrablemmidae ?gen. sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Tetrablemminae indet. in Wunderlich, 2017*c* ..... K Burmese amber

† ***Alticorona* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

178. *Alticorona plenfemur* Wunderlich in Wunderlich & Müller, 2021* ..... K Burmese amber

† ***Balticoblemma* Wunderlich, 2004*c*** ..... **Palaeogene**

179. *Balticoblemma unicorniculum* Wunderlich, 2004*c** ..... Pa Baltic amber

† ***Bicornoculus* Wunderlich, 2015*b*** ..... **Cretaceous**

180. *Bicornoculus granulans* Wunderlich, 2020*b* ..... K Burmese amber

181. *Bicornoculus levis* Wunderlich, 2015*b** ..... K Burmese amber

?*Bicornoculus* sp. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Claspingblemma* Wunderlich *in* Wunderlich & Müller, 2022*a*** ..... **Cretaceous**

182. *Claspingblemma duospinae* Wunderlich *in* Wunderlich & Müller, 2022*a** ..... K Burmese amber

† ***Cymbioblemma* Wunderlich, 2017*c*** ..... **Cretaceous**

183. *Cymbioblemma corniger* Wunderlich, 2017*c** ..... K Burmese amber

184. *Cymbioblemma fusca* Wunderlich, 2020*b* ..... K Burmese amber

185. *Cymbioblemma hamoembolus* Wunderlich, 2020*b* ..... K Burmese amber

† ***Electroblemma* Selden, Zhang & Ren, 2016** ..... **Cretaceous**

= † *Brignoliblemma* Wunderlich, 2017*c*

186. *Electroblemma acuminataformis* Wunderlich *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

187. *Electroblemma bifida* Selden, Zhang & Ren, 2016* ..... K Burmese amber

188. *Electroblemma bifurcata* Wunderlich, 2020*b* ..... K Burmese amber

189. *Electroblemma bizarre* (Wunderlich, 2017*c*) ..... K Burmese amber

190. *Electroblemma caula* Wunderlich, 2020*a* ..... K Burmese amber

191. *Electroblemma nala* (Wunderlich, 2017*c*) ..... K Burmese amber

192. *Electroblemma paranala* (Wunderlich, 2017*c*) ..... K Burmese amber

193. *Electroblemma pinnae* Wunderlich, 2020*b* ..... K Burmese amber

194. *Electroblemma spermaferens* Wunderlich *in* Wunderlich & Müller, 2021 K Burmese amber

† ***Eogamasomorpha* Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Eoscaphiella* Wunderlich, 2011i

195. ?*Eogamasomorpha clara* Wunderlich, 2015*b* ..... K Burmese amber

196. *Eogamasomorpha hamata* Wunderlich, 2017*c* ..... K Burmese amber
197. *Eogamasomorpha magnaseta* Wunderlich *in* Wunderlich & Müller, 2022 ..... K Burmese amber
198. *Eogamasomorpha nubila* Wunderlich, 2008*d** ..... K Burmese amber
199. *Eogamasomorpha ohlhoffi* (Wunderlich, 2011*i*) ..... K Burmese amber
200. *Eogamasomorpha rostratis* Wunderlich, 2020*b* ..... K Burmese amber

Eogamasomorpha sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Furcembolus* Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Praeterpaculla* Wunderlich, 2015*b*

201. *Furcembolus andersoni* Wunderlich, 2008*d** ..... K Burmese amber
202. *Furcembolus armatura* (Wunderlich, 2015*b*) ..... K Burmese amber
203. *Furcembolus biacuta* (Wunderlich, 2015*b*) ..... K Burmese amber
204. *Furcembolus crassitibia* Wunderlich, 2017*c* ..... K Burmese amber
205. *Furcembolus dissolata* (Wunderlich, 2015*b*) ..... K Burmese amber
206. *Furcembolus equester* (Wunderlich, 2015*b*) ..... K Burmese amber
207. *Furcembolus grossa* Wunderlich, 2017*c* ..... K Burmese amber
208. *Furcembolus longior* Wunderlich, 2017*c* ..... K Burmese amber
209. *Furcembolus tuberosa* (Wunderlich, 2015*b*)* ..... K Burmese amber

† ***Longissithorax* Wunderlich, 2017*c*** ..... **Cretaceous**

210. *Longissithorax myanmarensis* Wunderlich, 2017*c** ..... K Burmese amber

† ***Longithorax* Wunderlich, 2017*c*** ..... **Cretaceous**

211. *Longithorax furca* Wunderlich, 2017*c** ..... K Burmese amber

***Monoblemma* Gertsch, 1941** ..... **Neogene**

212. ?*Monoblemma spinosum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palpalpaculla* Wunderlich, 2017*c*** ..... **Cretaceous**

213. *Palpalpaculla pulcher* Wunderlich, 2017*c** ..... K Burmese amber

† ***Procerclypeus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

214. *Procerclypeus corniculatus* Wunderlich *in* Wunderlich & Müller, 2022*a* K Burmese amber
215. *Procerclypeus deformans* Wunderlich *in* Wunderlich & Müller, 2021* ... K Burmese amber

Procerclypeus sp. indet *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

† ***Saetosoma* Wunderlich, 2012*d*** ..... **Cretaceous**

216. *Saetosoma filiembolus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Tenuicephalus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

217. *Tenuicephalus penicillus* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

† ***Unicornutiblemma* Wunderlich, 2020*b*** ..... **Cretaceous**

218. *Unicornutiblemma brevicornis* Wunderlich, 2020*b* ..... K Burmese amber
219. *Unicornutiblemma gracilicornis* Wunderlich, 2020*b* ..... K Burmese amber
220. *Unicornutiblemma longicornis* Wunderlich, 2020*b* ..... K Burmese amber
221. *Unicornutiblemma unicornis* (Wunderlich, 2017*c*) ..... K Burmese amber

† ***Uniscutosoma* Wunderlich, 2015*b*** ..... **Cretaceous**

222. *Uniscutosoma aberrans* Wunderlich, 2015*b** ..... K Burmese amber

PLECTREURIDAE Simon, 1893 ..... **Jurassic – Recent**

† ***Eoplectreurys* Selden & Huang, 2010** ..... **Jurassic**

223. *Eoplectreurys gertschi* Selden & Huang, 2010* ..... J Daohugou

† ***Montsecarachne* Selden, 2014*a*** ..... **Cretaceous**

224. *Montsecarachne amicorum* Selden, 2014*a** ..... K El Montsec

erroneously cited as *amicus* in the abstract

† ***Palaeoplectreurys* Wunderlich, 2004*c*** ..... **Palaeogene**

225. *Palaeoplectreurys baltica* Wunderlich, 2004*c** ..... Pa Baltic amber

***Plectreurys* Simon, 1893** ..... **Neogene – Recent**

226. *Plectreurys pittfieldi* Penney, 2009 ..... Ne Dominican amber

DIGUETIDAE F. O. P.-Cambridge, 1899 ..... **Recent**

no fossil record

PHOLCIDAE C. L. Koch, 1851 ..... **Palaeogene – Recent**

Pholcidae sp. 1–2 *in* Wunderlich (2004*b*) ..... Pa Baltic amber

Pholcidae sp. *in* Wunderlich (2004*au*) ..... Pa Fu Shun amber

***Coryssocnemis* Simon, 1893** ..... **Neogene – Recent**

227. ?*Coryssocnemis velteni* Wunderlich, 2004*c* ..... Ne Dominican amber

***Leptopholcus* Simon, 1893** ..... **Neogene**

228. *Leptopholcus kiskeya* Huber & Wunderlich, 2006 ..... Ne Dominican amber

***Metagonia* Simon, 1893** ..... **Neogene – Recent**

229. *Metagonia esquincacanoi* García-Villafuerte, 2019 ..... Ne Chiapas amber

***Modisimus* Simon, 1893** ..... **Neogene – Recent**

230. *Modisimus calcar* Wunderlich, 1988 ..... Ne Dominican amber

231. *Modisimus calcaroides* Wunderlich, 1988 ..... Ne Dominican amber

232. *Modisimus crassifemoralis* Wunderlich, 1988 ..... Ne Dominican amber

233. *Modisimus oculatus* Wunderlich, 1988 ..... Ne Dominican amber

234. *Modisimus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

Modisimus sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Paraspermophora* Wunderlich, 2004c** ..... **Palaeogene**

235. *Paraspermophora bitterfeldensis* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

236. *Paraspermophora perplexa* Wunderlich, 2004*c** ..... Pa Baltic amber

Paraspermophora sp. *in* Wunderlich (2004*c,* 2011*h*) ..... Pa Baltic / Bitt. amber

***Pholcophora* Banks, 1896** ..... **Neogene – Recent**

237. *Pholcophora brevipes* Wunderlich, 1988 ..... Ne Dominican amber

238. *Pholcophora gracilis* Wunderlich, 1988 ..... Ne Dominican amber

239. *Pholcophora longicornis* Wunderlich, 1988 ..... Ne Dominican amber

***Quamtana* Huber, 2003** ..... **Palaeogene – Recent**

240. *Quamtana huberi* Penney, 2007*a* ..... Pa Le Quesnoy amber

† ***Serratochorus* Wunderlich, 1988** ..... **Neogene**

241. *Serratochorus pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

GRADUNGULIDAE Forster, 1955 ..... **Recent**

no fossil record

CY SPIGOT CLADE

† **PRAETERLEPTONETIDAE Wunderlich 2008*d*** ..... **Cretaceous**

Praeterleptonetidae indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

?Praeterleptonetidae indet. *in* Wunderlich 2015*b* ..... K Burmese amber

† ***Biapophyses* Wunderlich, 2015*b*** ..... **Cretaceous**

242. *Biapophyses beate* Wunderlich, 2015*b** ..... K Burmese amber

noted (as *B. beatae* [*sic*]) by Wunderlich & Müller (2018) as a possible plesion taxon in the leptonetoid–araneoid branch

† ***Palaeohygropoda* Penney, 2004*c*** ..... **Cretaceous**

243. *Palaeohygropoda myanmarensis* Penney, 2004*c** ..... K Burmese amber

† ***Praeterleptoneta* Wunderlich, 2008*d*** ..... **Cretaceous**

244. *Praeterleptoneta spinipes* Wunderlich, 2008*d** ..... K Burmese amber

† **PROTOARANEOIDIDAE Wunderlich in Wunderlich & Müller, 2018** ..... **Cretaceous**

Protoaraneoididae indet. *in* Wunderlich & Müller (2018) ..... K Burmese amber

† ***Praeteraneoides* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

genus first mentioned as *Prateraneoides* [*sic*], but correctly spelt in the species descriptions

245. *Praeteraraneoides bifurcatum* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

246. *Praeteraraneoides bipartitum* Wunderlich *in* Wunderlich & Müller, 2018 K Burmese amber

247. *Praeteraraneoides leni* Wunderlich *in* Wunderlich & Müller, 2018..... K Burmese amber

248. *Praeteraraneoides multidentatum* Wunderlich *in* Wunderlich & Müller, 2022..... K Burmese amber

† ***Proaraneoides* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

249. *Proaraneoides cribellatum* Wunderlich *in* Wunderlich & Müller, 2018*. K Burmese amber

250. *Proaraneoides lanceatum* Wunderlich *in* Wunderlich & Müller, 2021 ... K Burmese amber

† ***Protoaraneoides* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

251. *Protoaraneoides longispina* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

† ***Spinipalpitibia* Wunderlich, 2015*b*** ..... **Cretaceous**

252. *Spinipalpitibia hirsuta* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

253. *Spinipalpitibia maior* Wunderlich, 2015*b** ..... K Burmese amber

Spinipalpitibia sp. *in* Wunderlich & Müller (2018) ..... K Burmese amber

† **PHOLCOCHYROCERIDAE Wunderlich, 2008*d* (n. stat. 2012*d*)** ..... **Cretaceous**

† ***Autotomiana* Wunderlich, 2015*b*** ..... **Cretaceous**

254. *Autotomiana brevisetosa* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

255. *Autotomiana hirsutipes* Wunderlich, 2015*b** ..... K Burmese amber

?*Autotomiana* sp. indet. *in* Wunderlich, 2015*b* and Wunderlich & Müller

(2021) ..... K Burmese amber

† ***Kachinarachne* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

256. *Kachinarachne oblonga* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

† ***Longissipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

257. *Longissipalpus cochlea* Wunderlich, 2017*c* ..... K Burmese amber

258. *Longissipalpus aliter* Wunderlich *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

(replacement name)

i. = *Longissipalpus cochlea* Wunderlich *in* Wunderlich & Müller, 2021 (preoccupied)

259. *Longissipalpus impudicus* Wunderlich *in* Wunderlich & Müller, 2021 ... K Burmese amber

260. *Longissipalpus magnus* Wunderlich, 2015*b* ..... K Burmese amber

261. *Longissipalpus maior* Wunderlich, 2015*b* ..... K Burmese amber

262. *Longissipalpus minor* Wunderlich, 2015*b** ..... K Burmese amber

† ***Parvibulbus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

263. *Parvibulbus incompletus* Wunderlich *in* Wunderlich & Müller, 2018..... K Burmese amber

† ***Pedipalparaneus* Wunderlich, 2015*b*** ..... **Cretaceous**

264. *Pedipalparaneus seldeni* Wunderlich, 2015b* ..... K Burmese amber

† ***Pholcochyrocer* Wunderlich, 2008*d*** ..... **Cretaceous**

265. *Pholcochyrocer altipecten* Wunderlich, 2017*c*..... K Burmese amber

266. ?*Pholcochyrocer baculum* Wunderlich, 2012*d* ..... K Burmese amber

267. *Pholcochyrocer calidum* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

268. *Pholcochyrocer guttulaequae* Wunderlich, 2008*d** ..... K Burmese amber

269. *Pholcochyrocer pecten* Wunderlich, 2012*d* ..... K Burmese amber

270. *Pholcochyrocer vermiculus* Wunderlich *in* Wunderlich & Müller, 2018..... K Burmese amber

† ***Spinicreber* Wunderlich, 2015*b*** ..... **Cretaceous**

271. *Spinicreber antiquus* Wunderlich, 2015*b** ..... K Burmese amber

272. *Spinicreber vacuus* Wunderlich, 2020*b** ..... K Burmese amber

Spinicreber sp. indet. *In* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

† ***Spinipalpus* Wunderlich, 2015*b*** ..... **Cretaceous**

273. *Spinipalpus vetus* Wunderlich, 2015*b** ..... K Burmese amber

LEPTONETIDAE Simon, 1890 ..... **Cretaceous – Recent**

† ***Eoleptoneta* Wunderlich, 1991** ..... **Palaeogene**

274. *Eoleptoneta curvata* Wunderlich, 2004*c* ..... Pa Bitterfeld amber

275. *Eoleptoneta duocalcar* Wunderlich, 2004*c* ..... Pa Baltic amber

276. *Eoleptoneta kutscheri* Wunderlich, 1991* ..... Pa Bitterfeld amber

277. *Eoleptoneta multispinae* Wunderlich, 2011*h*..... Pa Baltic amber

278. *Eoleptoneta pseudoarticulata* Wunderlich, 2011*h*..... Pa Baltic amber

279. *Eoleptoneta similis* Wunderlich, 2004*c* ..... Pa Baltic amber

† ***Oligoleptoneta* Wunderlich 2004*c*** ..... **Palaeogene**

280. *Oligoleptoneta altoculus* Wunderlich 2004*c** ..... Pa Baltic amber

281. *Oligoleptoneta cymbiospina* Wunderlich, 2011*h* ..... Pa Baltic amber

† ***Palaeoleptoneta* Wunderlich 2012*d*** ..... **Cretaceous**

282. *Palaeoleptoneta acus* Wunderlich *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

283. *Palaeoleptoneta baculum* Wunderlich *in* Wunderlich & Müller, 2022*a* .. K Burmese amber

284. *Palaeoleptoneta calcar* Wunderlich, 2012*d** ..... K Burmese amber

285. *Palaeoleptoneta crus* Wunderlich, 2017*c* ..... K Burmese amber

P. cruz in Wunderlich & Müller (2018) is a *lapsus*

286. *Palaeoleptoneta fissura* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

287. *Palaeoleptoneta laticymbium* Wunderlich *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

288. *Palaeoleptoneta nils* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

289. *Palaeoleptoneta thilo* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

Paleoleptoneta sp. indet. *in* Wunderlich (2017*c*) ..... K Burmese amber

AUSTROCHILIDAE Zapfe, 1955 ..... **Recent**

= THAIDIDAE Lehtinen, 1967

= HICKMANIIDAE Lehtinen, 1967

no fossil record

TELEMIDAE Fage, 1913 ..... **Cretaceous – Recent**

† ***Kachintelema* Wunderlich in Wunderlich & Müller, 2022*a*** ..... **?Cretaceous – Recent**

290. *Kachintelema calcarfemur* Wunderlich *in* Wunderlich & Müller, 2022*a** . K Burmese amber

***Telema* Simon, 1882** ..... **Palaeogene – Recent**

291. ?*Telema moritzi* Wunderlich, 2004*c* ..... Pa Baltic / Bitt. amber

***Telemofila* Wunderlich, 1995** ..... **?Cretaceous – Recent**

292. ?*Telemofila crassifemoralis* Wunderlich, 2017*c* ..... K Burmese amber

293. ?*Telemofila ovalis* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

PALPIMANOIDEA Thorell, 1870a ..... **Jurassic – Recent**

Palpimanoidea *incerate sedis in* Park *et al*. (2019) ..... K Jinju Form., Korea

family uncertain

† ***Seppo* Selden & Dunlop, 2014** ..... **Jurassic**

294. *Seppo koponeni* Selden & Dunlop, 2014* ..... J Grimmen, Germany

Wunderlich (2015*b*) suggested possible affinities to Araneidae

† ***Sinaranea* Selden, Huang & Ren, 2008** ..... **Jurassic**

295. *Sinaranea metaxyostraca* Selden, Huang & Ren, 2008* ..... J Daohugou, China

MECYSMAUCHENIIDAE Simon, 1895 ..... **Cretaceous – Recent**

† ***Archaemecys* Saupe & Selden, 2009** ..... **Cretaceous**

296. *Archaemecys arcantiensis* Saupe & Selden, 2009 ..... K Charente amber

Wunderlich (2015*b*) suggested that this could be an archaeid (Archaeinae)

† ***Palaeozearchaea* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

297. *Palaeozearchaea depressa* Wunderlich *in* Wunderlich & Müller, 2021* K Burmese amber

HUTTONIIDAE Simon, 1893 ..... **Cretaceous – Recent**

unnamed genus and species in Penney & Selden (2006) ..... K Manitoban amber

† **PLANARCHAEIDAE Wunderlich, 2017*c* (n. stat. Wunderlich & Müller 2001)**

† ***Eomysmauchenius* Wunderlich, 2008*d*** ..... **Cretaceous**

298. *Eomysmauchenius dubius* Wunderlich, 2008*d* ..... K Burmese amber

299. *Eomysmauchenius longissipes* Wunderlich, 2015*b* ..... K Burmese amber

tentative transfer by Wunderlich (2017*c*)

300. *Eomysmauchenius septentrionalis* Wunderlich, 2008*d** ..... K Burmese amber

† ***Planarchaea* Wunderlich, 2015*b*** ..... **Cretaceous**

= † *Filiauchenius* Wunderlich, 2008*d*

301. *Planarchaea incompleta* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

302. *Planarchaea kopp* Wunderlich, 2015*b** ..... K Burmese amber

303. *Planarchaea oblonga* Wunderlich, 2017*c* ..... K Burmese amber

304. *Planarchaea ovata* Wunderlich, 2017*c* ..... K Burmese amber

305. *Planarchaea paucidentatus* (Wunderlich, 2008*d*) tentative transfer..... K Burmese amber

306. *Planarchaea pilosa* (Wunderlich, 2015*b*) tentative transfer ..... K Burmese amber

† ***Platythelae* Wunderlich in Wunderlich & Müller, 2021** ..... **Cretaceous**

307. *Platythelae longicorpus* Wunderlich *in* Wunderlich & Müller, 2021..... K Burmese amber

† **MICROPALPIMANIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Micropalpimanus* Wunderlich, 2008*d*** ..... **Cretaceous**

308. *Micropalpimanus gibber* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

309. *Micropalpimanus poinari* Wunderlich, 2008*d** ..... K Burmese amber

Micropalpimanus sp. indet *in* Wunderlich (2012*d*) and Wunderlich & Müller (2021) ..... K Burmese amber

PALPIMANIDAE Thorell, 1870*a* ..... **Cretaceous – Recent**

= OTITHOPOIDAE Thorell, 1869 [younger name protected by useage]

= CHERSIDAE Canestrini & Pavesi, 1870

Palpimanidae indet. *in* Wunderlich, 2017*c* ..... K Burmese amber

***Otiothops* MacLeay, 1839** ..... **Neogene – Recent**

Otiothops sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

† **LAGONOMEGOPIDAE Eskov & Wunderlich, 1995** ..... **Cretaceous**

= † GRANDOCULIDAE Penney, 2011

Lagonomegopidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

Lagonomegopidae gen et sp. indet. *in* Wunderlich, 2017*c* ..... K Burmese amber

† ***Albiburmops* Wunderlich, 2017*c*** ..... **Cretaceous**

310. *Albiburmops annulipes* Wunderlich, 2017*c** ..... K Burmese amber

† ***Archaelagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

311. *Archaelagonops propinquus* Wunderlich, 2015*b*..... K Burmese amber

312. *Archaelagonops salticoides* Wunderlich, 2012*d** ..... K Burmese amber

313. *Archaelagonops scorsum* Wunderlich, 2015*b*..... K Burmese amber

Archaelagonops sp. indet. *in* Wunderlich (2015*b*) ..... K Burmese amber

† ***Burlagonomegops*** **Penney, 2005*b*** ..... **Cretaceous**

314. *Burlagonomegops alavensis* Penney, 2006*b* ..... K Álava amber

315. *Burlagonomegops eskovi* Penney, 2005*b** ..... K Burmese amber

† ***Cymbiolagonops*** **Wunderlich, 2015*b***..... **Cretaceous**

316. *Cymbiolagonops cymbiocalcar* Wunderlich, 2015*b**..... K Burmese amber

† ***Grandoculus*** **Penney, 2004*b*** [no longer accepted as a separate family] ..... **Cretaceous**

317. *Grandoculus chemahawinensis* Penney, 2004*b** ..... K Canadian amber

† ***Jinjumegops*** **Park, Nam & Selden, 2019** ..... **Cretaceous**

318. *Jinjumegops dalingwateri* Park, Nam & Selden, 2019 *..... K Jinju Form., Korea

† ***Koreamegops*** **Park, Nam & Selden, 2019** ..... **Cretaceous**

319. *Koreamegops samsiki* Park, Nam & Selden, 2019 *..... K Jinju Form., Korea

† ***Lagonoburmops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

320. *Lagonoburmops plumosus* Wunderlich, 2012*d** ..... K Burmese amber

† ***Lagonomegops*** **Eskov & Wunderlich, 1995** ..... **Cretaceous**

321. *Lagonomegops americanus* Penney, 2005*b* ..... K New Jersey amber

322. *?Lagonomegops cor* Pérez-de la Fuente, Saupe & Selden, 2015..... K Álava amber

323. *Lagonomegops sukatchevae* Eskov & Wunderlich, 1995* ..... K Taimyr amber

324. ?*Lagonomegops tuber* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lineaburmops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

325. *Lineaburmops beigeli* Wunderlich, 2015*b** ..... K Burmese amber

326. *Lineaburmops hirsutipes* Wunderlich, 2015*b* ..... K Burmese amber

327. *Lineaburmops maculatus* Wunderlich, 2017*c* ..... K Burmese amber

† ***Myanlagonops*** **Wunderlich, 2012*d*** ..... **Cretaceous**

328. *Myanlagonops gracilipes* Wunderlich, 2012*d** ..... K Burmese amber

† ***Parviburmops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

329. ?*Parviburmops bigibber* Wunderlich, 2015*b* ..... K Burmese amber

330. *Parviburmops brevipalpus* Wunderlich, 2015*b**..... K Burmese amber

† ***Paxillomegops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

331. ?*Paxillomegops brevipes* Wunderlich, 2015*b* ..... K Burmese amber

332. ?*Paxillomegops cornutus* Wunderlich, 2017*c* ..... K Burmese amber

333. *Paxillomegops longipes* Wunderlich, 2015*b** ..... K Burmese amber

† ***Picturmegops*** **Wunderlich, 2015*b*** ..... **Cretaceous**

334. *Picturmegops signatus* Wunderlich, 2015*b** ..... K Burmese amber

† ***Planimegops*** **Wunderlich, 2017*c***..... **Cretaceous**

335. *Planimegops parvus* Wunderlich, 2017*c** ..... K Burmese amber

† ***Soplaogonomegops*** **Pérez-de la Fuente, Saupe & Selden** ..... **Cretaceous**

Wunderlich (2015*b*) tentatively synonymised this genus with *Archaelagonops*

336. *Soplaogonomegops unzuei* Pérez-de la Fuente, Saupe & Selden, 2015* ..... K El Soplao amber

† ***Spinomegops* Pérez-de la Fuente, Saupe & Selden, 2015** ..... **Cretaceous**

337. *Spinomegops aragonensis* Pérez-de la Fuente, Saupe & Selden, 2015 ..... K San Just amber

338. *Spinomegops arcanus* Pérez-de la Fuente, Saupe & Selden, 2015* ..... K Álava amber

† ***Zarquagonomegops* Kaddumi, 2007** ..... **Cretaceous**

339. *Zarquagonomegops wunderlichi* Kaddumi, 2007* ..... K Jordanian amber

† **SPATIATORIDAE Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

Spatiatoridae indet *in* Wunderlich 2017*c* ..... K Burmese amber

† ***Spatiator* Petrunkevitch, 1942** ..... **Cretaceous – Palaeo.**

340. *Spatiator bitterfeldensis* Wunderlich 2017a ..... Pa Bitterfeld amber

341. *Spatiator caulis* Wunderlich, 2008*a* ..... Pa Baltic amber

342. *Spatiator martensi* Wunderlich, 2006 ..... Pa Baltic amber

343. *Spatiator praeceps* Petrunkevitch, 1942* ..... Pa Baltic amber

344. *Spatiator putescens* Wunderlich, 2015*b* ..... K Burmese amber

Spatiator sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

† **VETIATORIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

Vetiatoridae indet *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Pekkachilus* Wunderlich, 2017*c*** ..... **Cretaceous**

Pekkachilus sp. indet *in* Wunderlich (2017*c*) ..... K Burmese amber

345. *Pekkachilus vesica* Wunderlich, 2017*c** ..... K Burmese amber

† ***Praetervetianus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

Praetervetiator is a *lapsus*

346. *Praetervetianus circulis* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

347. *Praetervetianus parvicirculis* Wunderlich *in* Wunderlich & Müller, 2022*a* K Burmese amber

† ***Procervetiator* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

348. *Procervetiator fruticosus* Wunderlich *in* Wunderlich & Müller, 2021* .... K Burmese amber

† ***Vetiator* Wunderlich, 2015*b*** ..... **Cretaceous**

349. *Vetiator gracilipes* Wunderlich, 2015*b** ..... K Burmese amber

STENOCHILIDAE Thorell, 1873 ..... **Recent**

no fossil record

ARCHAEIDAE C. L. Koch & Berendt, 1854 ..... **Jurassic – Recent**

Archaeinae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

***Archaea* C. L. Koch & Berendt, 1854** ..... **Palaeogene – Recent**

350. ?*Archaea bitterfeldensis* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

351. *Archaea compacta* Wunderlich, 2004*d* ..... Pa Baltic amber

352. *Archaea paradoxa* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Archaea laevigata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

ii. = *Archaea incompta* Menge in C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

353. *Archaea pougneti* Simon, 1884*b* ..... Pa Baltic amber

† ***Baltarchaea* Eskov, 1992** ..... **Palaeogene**

354. *Baltarchaea conica* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

† ***Burmesarchaea* Wunderlich, 2008*d*** ..... **Cretaceous**

355. *Burmesarchaea alissa* Wunderlich, 2017*c* ..... K Burmese amber

356. *Burmesarchaea bilongapophyses* Wunderlich, 2020*b* ..... K Burmese amber

357. *Burmesarchaea caudata* Wunderlich, 2017*c* ..... K Burmese amber

358. *Burmesarchaea crassicaput* Wunderlich, 2017*c* ..... K Burmese amber

359. *Burmesarchaea crassichelae* Wunderlich, 2017*c* ..... K Burmese amber

360. *Burmesarchaea gibber* Wunderlich, 2017*c* ..... K Burmese amber

361. *Burmesarchaea gibberoides* Wunderlich, 2017*c* ..... K Burmese amber

362. *Burmesarchaea gibbosa* Wunderlich, 2017*c* ..... K Burmese amber

363. *Burmesarchaea grimaldii* (Penney, 2003*a*) ..... K Burmese amber

364. *Burmesarchaea longicollum* Wunderlich, 2017*c* ..... K Burmese amber

365. *Burmesarchaea propinqua* Wunderlich, 2017*c* ..... K Burmese amber

366. *Burmesarchaea pseudogibber* Wunderlich, 2017*c* ..... K Burmese amber

367. *Burmesarchaea pustulata* Wunderlich, 2017*c* ..... K Burmese amber

368. *Burmesarchaea quadrata* Wunderlich, 2017*c* ..... K Burmese amber

369. *Burmesarchaea speciosus* (Wunderlich, 2008*d*) ..... K Burmese amber

† ***Eoarchaea* Forster & Platnick, 1984** ..... **Palaeogene**

370. *Eoarchaea hyperoptica* (Menge in C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

371. *Eoarchaea vidua* Wunderlich, 2004*d* ..... Pa Baltic amber

***Eriauchenius* O. P.-Cambridge, 1881** ..... **Quaternary – Recent**

372. *Eriauchenius gracilicollis* (Millot, 1948) **[Recent]** ..... Qt Copal

i. = *Archaea copalensis* Lourenço, 2000*b* ..... Qt Copal

† ***Jurarchaea* Eskov, 1987** ..... **Jurassic**

373. *Jurarchaea zherikhini* Eskov, 1987* ..... J Kazakhstan

† ***Myrmecarchaea* Wunderlich, 2004*d*** ..... **Palaeogene**

374. *Myrmecarchaea petiolus* Wunderlich, 2004*d** ..... Pa Baltic amber

375. *Myrmecarchaea pediculus* Wunderlich, 2004*d* ..... Pa Baltic amber

† **Patarchaea Selden, Huang & Ren, 2008** ..... **Jurassic**

376. *Patarchaea muralis* Selden, Huang & Ren, 2008* ..... J Daohugou, China

† ***Saxonarchaea* Wunderlich, 2004*d*** ..... **Palaeogene**

377. *Saxonarchaea dentata* Wunderlich, 2004*d** ..... Pa Bitterfeld amber

378. *Saxonarchaea diabolica* Wunderlich, 2004*d* ..... Pa Bitterfeld amber

† ***Spiniarchaea* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

379. *Spiniarchaea abberans* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

ENTELEGYNAE Simon, 1893 ..... **Jurassic – Recent**

"Cribellate Entelegynae species 1–2" *in* Park *et al*. (2019) ..... K Jinju Form., Korea

NICODAMOIDEA Simon, 1898 ..... **Recent**

MEGADICTYNIDAE Lehtinen, 1967 ..... **Recent**

no fossil record

NICODAMIDAE Simon, 1898 ..... **Recent**

no fossil record

ARANEOIDEA Latreille, 1806 ..... **Jurassic – Recent**

Araneoidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

† ***Mesarania* Hong, 1984** ..... **Jurassic**

380. *Mesarania hebeiensis* Hong, 1984* ..... J Hebei, China

† **MEGASETIDAE Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

† ***Megasetae* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

381. *Megasetae colphepeiroides* Wunderlich *in* Wunderlich & Müller, 2021* K Burmese amber

† **PRAETHERIDIIDAE Wunderlich, 2004*l*** (n. stat. 2012) ..... **Palaeogene**

† ***Praetheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

382. *Praetheridion fleissneri* Wunderlich, 2004*l** ..... Pa Baltic amber

† **PROTHERIDIIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Protheridion* Wunderlich, 2004*l*** ..... **Palaeogene**

383. *Protheridion bitterfeldensis* Wunderlich, 2004*l* ..... Pa Bitterfeld amber

384. *Protheridion detritus* Wunderlich, 2004*l* ..... Pa Baltic amber

385. *Protheridion obscurum* Wunderlich, 2004*l* ..... Pa Baltic amber

386. *Protheridion punctatum* Wunderlich, 2004*l* ..... Pa Baltic amber

387. *Protheridion tibialis* Wunderlich, 2004*l** ..... Pa Baltic amber

† **LEVIUNGUIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Leviunguis* Wunderlich, 2012*d*** ..... **Cretaceous**

388. *Leviunguis altus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

389. *Leviunguis anulus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

390. *Leviunguis anulusoides* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

391. *Leviunguis bruckschi* Wunderlich, 2012*d** ..... K Burmese amber

392. *Leviunguis bruckschoides* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

393. *Leviunguis erectus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

394. *Leviunguis glomulus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

395. *Leviunguis glomus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

396. *Leviunguis graciliembolus* Wunderlich in Wunderlich & Müller, 2018 ..... K Burmese amber

397. *Leviunguis gradus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber
398. *Leviunguis porrigens* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber
399. *Leviunguis pseudobruckschi* Wunderlich *in* Wunderlich & Müller, 2018 . K Burmese amber
400. *Leviunguis quadratus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber
Leviunguis sp. *in* Wunderlich (2020*b*) ..... K Tilin amber

THERIDIIDAE Sundevall, 1833 ..... **Cretaceous – Recent**
= PHYCOIDAE Thorell, 1873
= EPISINIDAE O. P.-Cambridge, 1879*a*
= HADROTARSIDAE Thorell, 1881
?Theridiidae gen. et sp. indet *in* McAlpine & Martin (1969) ..... K Canadian amber
Theridiidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal
?Theridiidae gen. et sp. indet *in* Wunderlich (2020*b*) ..... K Tilin amber

***Achaearanea* Strand, 1929** ..... **Neogene – Recent**
401. *Achaearanea extincta* Wunderlich, 1988 ..... Ne Dominican amber
Achaearanea sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Argyrodes* Simon, 1864** ..... **Neogene – Recent**
402. *Argyrodes* (*Ariamnes*) *copalis* Wunderlich, 2008*b* ..... Qt Colombian copal
403. *Argyrodes* (*Ariamnes*) *resina* Wunderlich, 2011*f* ..... Qt Madagascar copal
404. *Argyrodes* (*Rhomphaea*) *gibbifera* Wunderlich, 2004*as* ..... Qt Madagascar copal
405. *Argyrodes parvipatellaris* Wunderlich, 1988 ..... Ne Dominican amber
Argyrodes sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticoridion* Wunderlich, 2008*b*** ..... **Palaeogene**
406. *Balticoridion dubium* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Balticpholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**
407. *Balticpholcomma scutatum* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Burmatheridon* Wunderlich in Wunderlich & Müller, 2018** ..... **Palaeogene**
408. *Burmatheridon sinespinae* Wunderlich *in* Wunderlich & Müller, 2018* ... K Burmese amber

† ***Caudasinus* Wunderlich, 2008*b*** ..... **Palaeogene**
409. *Caudasinus bispinosus* Wunderlich, 2008*b* ..... Pa Baltic amber
410. *Caudasinus caudatus* Wunderlich, 2008*b** ..... Pa Baltic amber
411. *Caudasinus regeneratus* Wunderlich, 2008*b* ..... Pa Baltic amber
Caudasinus sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Chrosiothes* Simon, 1894** ..... **Neogene – Recent**
412. *Chrosiothes biconigerus* Wunderlich, 1988 ..... Ne Dominican amber
413. *Chrosiothes chiapas* Wunderlich *in* Wunderlich & Müller, 2022*b* ..... Ne Chiapas amber
414. *Chrosiothes curvispinosus* Wunderlich, 1988 ..... Ne Dominican amber
415. *Chrosiothes emulgatus* Wunderlich, 1988 ..... Ne Dominican amber
416. *Chrosiothes longispinosus* Wunderlich, 1988 ..... Ne Dominican amber
417. *Chrosiothes monoceros* Wunderlich, 1988 ..... Ne Dominican amber
418. *Chrosiothes tumulus* Wunderlich, 1988 ..... Ne Dominican amber
419. *Chrosiothes unicornis* Wunderlich, 1988 ..... Ne Dominican amber

Chrysso* O. P.-Cambridge, 1882*a ..... **Neogene – Recent**

420. *Chrysso conspicua* Wunderlich, 1988 ..... Ne Dominican amber

421. *Chrysso dubia* Wunderlich, 1988 ..... Ne Dominican amber

† ***Clavibertus* Wunderlich, 2008*b*** ..... **Palaeogene**

422. *Clavibertus parvus* Wunderlich, 2008*b* ..... Pa Baltic amber

423. *Clavibertus prominens* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Clya* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

424. *Clya abdita* Wunderlich, 2008*b* ..... Pa Baltic amber

425. *Clya lugubris* C. L. Koch & Berendt, 1854* ..... Pa Baltic / Rovno amber

426. *Clya calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

427. *Clya gracilis* (Petrunkevitch, 1958) ..... Pa Baltic amber

428. *Clya granulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

429. *Clya obscura* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

430. *Clya rotata* Wunderlich, 2008*b* ..... Pa Baltic amber

431. *Clya supercalefacta* Wunderlich, 2008*b* ..... Pa Baltic amber

432. *Clya superspiralis* Wunderlich, 2008*b* ..... Pa Baltic amber

433. *Clya tricurvata* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Cornutheridion* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

434. *Cornutheridion concavum* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

† ***Cornutidion* Wunderlich, 1988** ..... **Neogene**

435. *Cornutidion elongatum* Wunderlich, 1988* ..... Ne Dominican amber

***Craspedisia* Simon, 1894** ..... **Neogene – Recent**

436. *Craspedisia yapchoontecki* Penney & Marusik *in* Penney *et al*. (2012*b*) Ne Dominican amber

† ***Cretotheridion* Wunderlich, 2015*b*** ..... **Cretaceous**

437. *Cretotheridion inopinatum* Wunderlich, 2015*b** ..... K Burmese amber

† ***Cymbiopholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

438. *Cymbiopholcomma dudum* Wunderlich, 2008b* ..... Pa Baltic amber

439. *Cymbiopholcomma spiculum* Wunderlich, 2008b ..... Pa Baltic amber

† ***Dipoenata* Wunderlich, 1988** ..... **Neogene**

440. *Dipoenata altioculata* Wunderlich, 1988 ..... Ne Dominican amber

441. *Dipoenata cala* Wunderlich, 1988 ..... Ne Dominican amber

442. *Dipoenata clypeata* Wunderlich, 1988 ..... Ne Dominican amber

443. *Dipoenata globulus* Wunderlich, 1988 ..... Ne Dominican amber

444. *Dipoenata praedominicana* (Wunderlich, 1986) ..... Qt Dominican copal

445. *Dipoenata stipes* Wunderlich, 1988* ..... Ne Dominican amber

Dipoenata sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Eoasagena* Wunderlich, 2008*b*** ..... **Palaeogene**

446. *Eoasagena scutata* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eolyrifer* Wunderlich, 2008*b*** ..... **Palaeogene**

447. *Eolyrifer longitibialis* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Eomysmena* Petrunkevitch, 1942** ..... **Palaeogene – Neogene**

= † *Antopia* Menge *in* C. L. Koch & Berendt, 1854 [tentative synonomy]
= † *Astodipoena* Petrunkevitch, 1958
= † *Eodipoena* Petrunkevitch, 1942

448. *Eomysmena asta* Petrunkevitch, 1971 ..... Ne Chiapas amber
449. *Eomysmena aviceps* Wunderlich, 2008*b* ..... Pa Baltic amber
450. *Eomysmena calefacta* Wunderlich, 2008*b* ..... Pa Baltic amber
451. *Eomysmena crassa* (Petrunkevitch, 1958) ..... Pa Baltic amber
452. *Eomysmena baltica* Petrunkevitch, 1946 ..... Pa Baltic amber
453. '*Eomysmena*' *bassleri* (Petrunkevitch, 1942) ..... Pa Baltic amber
454. ?*Eomysmena kaestneri* (Petrunkevitch, 1958) ..... Pa Baltic amber
455. *Eomysmena militaris* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
456. *Eomysmena moritura* Petrunkevitch, 1942* ..... Pa Baltic amber
i. = *Eomysmena consulta* (Petrunkevitch, 1958) [tentative synonomy] ..... Pa Baltic amber
457. *Eomysmena oculata* (Petrunkevitch, 1942) ..... Pa Baltic amber
458. *Eomysmena recta* Wunderlich, 2008*b* ..... Pa Baltic amber
Eomysmena spp. *in* Wunderlich 2008*b* ..... Pa Baltic / Bitt. Amber

† ***Eoteutana* Wunderlich, 2008*b*** ..... **Palaeogene**

459. *Eoteutana hirsuta* Wunderlich, 2008*b** ..... Pa Baltic amber

***Episinus* Latreille, 1809** ..... **Palaeogene – Recent**

= † *Flegia* C. L. Koch & Berendt, 1854
= † *Impulsor* Petrunkevitch, 1942
= † *Malleator* Petrunkevitch, 1942
= † *Mictodipoena* Petrunkevitch, 1958

460. *Episinus anapidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
461. *Episinus antecognatus* Wunderlich, 1986 ..... Qt Dominican copal
462. *Episinus appendix* Wunderlich, 2008*b* ..... Pa Baltic amber
463. *Episinus arrodens* Wunderlich, 2008*b* ..... Pa Baltic amber
464. *Episinus balticus* Marusik & Penney, 2004 ..... Pa Baltic / Bitt. Amber
465. *Episinus brevipalpus* Wunderlich, 1988 ..... Ne Dominican amber
466. *Episinus bulla* Wunderlich, 2008*b* ..... Pa Baltic ambe
467. *Episinus chiapasanus* (Petrunkevitch, 1971) ..... Ne Chiapas amber
468. *Episinus clunis* Wunderlich, 2008*b* ..... Pa Baltic amber
469. *Episinus cochlear* Wunderlich, 2008*b* ..... Pa Baltic amber
470. *Episinus cornutus* Wunderlich, 1988 ..... Ne Dominican amber
471. *Episinus cymbialis* Wunderlich, 2008*b* ..... Pa Baltic amber
472. *Episinus dimidius* Wunderlich, 2008*b* ..... Pa Baltic amber
473. *Episinus eskovi* Marusik & Penney, 2004 ..... Pa Baltic amber
474. *Episinus isopteraque* Wunderlich, 2008*b* ..... Pa Baltic amber
475. *Episinus latus* Wunderlich, 2008*b* ..... Pa Baltic amber
476. *Episinus longimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
i. = *Malleator niger* Petrunkevitch, 1942 ..... Pa Baltic amber

477. *Episinus longisoma* Wunderlich, 2008b ..... Pa Baltic amber
478. *Episinus minutus* (Petrunkevitch, 1958) ..... Pa Baltic amber
479. *Episinus mordellidaeque* Wunderlich, 2008*b* ..... Pa Baltic amber
480. *Episinus musculus* Wunderlich, 2008*b* ..... Pa Baltic amber
481. *Episinus mutilus* (Petrunkevitch, 1958) ..... Pa Baltic amber
482. *Episinus nausticymbium* Wunderlich, 2008*b* ..... Pa Baltic amber
483. *Episinus neglectus* (Petrunkevitch, 1942) ..... Pa Baltic amber
484. *Episinus penneyi* Garcia-Villafuerte, 2006*a* ..... Ne Chiapas amber
485. *Episinus praecognatus* Wunderlich, 1982 ..... Ne Dominican amber
486. *Episinus regalis* (Petrunkevitch, 1958) ..... Pa Baltic amber
487. *Episinus stridulus* (Petrunkevitch, 1958) ..... Pa Baltic amber
488. *Episinus tibiaseta* Wunderlich, 2011*g* ..... Ne Dominican amber
489. *Episinus transversus* Wunderlich, 2008*b* ..... Pa Baltic amber
490. *Episinus tuberosus* Wunderlich, 1988 ..... Ne Dominican amber

Episinus spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Euryopis* Menge, 1868** ..... **Palaeogene – Recent**

491. ?*Euryopis araneoides* Wunderlich, 2008*b* ..... Pa Baltic amber
492. *Euryopis bitterfeldensis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber
493. *Euryopis nexus* Wunderlich, 2008*b* ..... Pa Baltic amber
494. *Euryopis streyi* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber

Euryopis/Emertonella complex *in* Penney *et al*. (2012*c*) ..... Qt Colombian copal

***Faiditus* Keyserling, 1884** ..... **Neogene – Recent**

495. *Faiditus crassipatellaris* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Femurraptor* Wunderlich, 2011*g*** ..... **Neogene**

496. *Femurraptor dominicanus* Wunderlich, 2011*g** ..... Ne Dominican amber

† ***Globulidion* Wunderlich, 2008*b*** ..... **Palaeogene**

497. *Globulidion cochlea* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Hirsutipalpus* Wunderlich, 2008*b*** ..... **Palaeogene**

498. *Hirsutipalpus varipes* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

† ***Kochiuridion* Wunderlich, 2008*b*** ..... **Palaeogene**

499. *Kochiuridion scutatum* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. amber

***Lasaeola* Simon, 1881** ..... **Palaeogene – Recent**

= † *Nactodipoena* Petrunkevitch, 1942 [a subgenus in Wunderlich (2008b)]

500. *Lasaeola acumen* Wunderlich, 2008*b* ..... Pa Baltic amber
501. *Lasaeola baltica* (Marusik & Penney, 2004) ..... Pa Baltic amber
502. *Lasaeola bitterfeldensis* Wunderlich, 2008b ..... Pa Bitterfeld amber
503. *Lasaeola communis* Wunderlich, 2008b ..... Pa Baltic amber
504. *Lasaeola* (*Nactodipoena*) *dunbari* (Petrunkevitch, 1942) ..... Pa Baltic amber
505. ?*Lasaeola furca* Wunderlich, 2008b ..... Pa Baltic amber
506. *Lasaeola germanica* (Petrunkevitch, 1958) ..... Pa Baltic amber
507. *Lasaeola* (*Phycosoma*) *inclinata* Wunderlich, 2012*a* ..... Qt Madagascan copal

508. *Lasaeola infulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Bitt. Amber
509. *Lasaeola larvaque* Wunderlich, 2008b ..... Pa Baltic amber
510. *Lasaeola latisulci* Wunderlich, 2008b ..... Pa Baltic amber
511. *Lasaeola pristina* (Wunderlich, 1986) ..... Ne Dominican amber
512. *Lasaeola puta* Wunderlich, 1988 ..... Ne Dominican amber
513. *Lasaeola sexsaetosa* Wunderlich, 2008*b* ..... Pa Baltic amber
514. ?*Lasaeola sigillata* Wunderlich, 2008*b* ..... Pa Bitterfeld amber
515. *Lasaeola vicina* (Wunderlich, 1982) ..... Ne Dominican amber
516. *Lasaeola vicinoides* Wunderlich, 1988 ..... Ne Dominican amber

Lasaeola sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Lasaeola spp. *in* Wunderlich (2008*b*) ..... Pa Baltic / Bitt. amber

† ***Microtheridion* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

517. *Microtheridion longissispinae* Wunderlich *in* Wunder. & Müller, 2021* K Burmese amber

† ***Mimetidion* Wunderlich, 2008*b*** ..... **Palaeogene**

518. *Mimetidion furca* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Nanomysmena* Petrunkevitch, 1958** ..... **Palaeogene**

519. *Nanomysmena munita* Petrunkevitch, 1958 ..... Pa Baltic amber
520. *Nanomysmena palanga* Marusik & Penney, 2004 ..... Pa Baltic amber
521. *Nanomysmena petrunkevitchi* Marusik & Penney, 2004 ..... Pa Baltic amber
522. *Nanomysmena pseudogracilis* Marusik & Penney, 2004 ..... Pa Baltic amber

† ***Nanosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

523. *Nanosteatoda breviscutum* Wunderlich, 2008*b* ..... Pa Baltic amber
524. *Nanosteatoda trisetae* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Obscuropholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

525. *Obscuropholcomma tegens* Wunderlich, 2008*b** ..... Pa Baltic amber

Obscuropholcomma sp. *in* Wunderlich (2012*b*) ..... Pa Rovno amber

***Phoroncidia* Westwood, 1835** ..... **Quaternary – Recent**

526. *Phoroncidia* ?*aculeata* Westwood, 1835 **[Recent]** ..... Qt Madagascan copal

***Platnickina* Koçak & Kemal, 2008** ..... **Quaternary – Recent**

527. *Platnickina duosetae* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Praetereuryopis* Wunderlich, 2008*b*** ..... **Palaeogene**

528. *Praetereuryopis phoroncidoides* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Pronepos* Petrunkevitch, 1963** ..... **Neogene**

Wunderlich & Müller (2022*b*) suggested that it could be a synonym of *Chrosiotes*

529. *Pronepos exilis* Petrunkevitch, 1963* ..... Ne Chiapas amber
530. *Pronepos fossilis* Petrunkevitch, 1963 ..... Ne Chiapas amber

† ***Protosteatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

531. *Protosteatoda gutta* Wunderlich, 2008*b* ..... Pa Baltic amber

† ***Pseudoteutana* Wunderlich, 2008b** ..... **Palaeogene**

532. *Pseudoteutana stigmatosa* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Eomysmena stridens* Petrunkevitch, 1958 ..... Pa Baltic amber

ii. = *Flegia succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Rugapholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

533. *Rugopholcomma patellaris* Wunderlich, 2008*b** ..... Pa Baltic amber

† ***Spinisinus* Wunderlich, 2008*b*** ..... **Palaeogene**

534. *Spinisinus parvioculi* Wunderlich, 2008b ..... Pa Baltic amber

535. *Spinisinus splendidus* Wunderlich, 2008b* ..... Pa Baltic amber

† ***Spinitharinus* Wunderlich, 2008*b*** ..... **Palaeogene**

536. *Spinitharinus bulbosus* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

537. *Spinitharinus cheliceratus* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber

538. *Spinitharinus coniectens* Wunderlich, 2008*b* ..... Pa Baltic amber

539. *Spinitharinus curvatus* Wunderlich, 2008*b* ..... Pa Baltic amber

540. *Spinitharinus cymbioseta* Wunderlich, 2008*b* ..... Pa Baltic amber

Spinitharinus spp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Spintharus* Hentz, 1850** ..... **Neogene – Recent**

541. *Spintharus longisoma* Wunderlich, 1988 ..... Ne Dominican amber

***Steatoda* Sundevall, 1833** ..... **?Palaeogene – Recent**

542. '*Steatoda*' *anticus* (Berland, 1939) ..... Pa Baltic amber

***Stemmops* O. P.-Cambridge, 1894** ..... **Neogene – Recent**

543. *Stemmops incertus* Wunderlich, 1988 ..... Ne Dominican amber

544. *Stemmops prominens* Wunderlich, 1988 ..... Ne Dominican amber

***Styposis* Simon, 1894** ..... **Neogene – Recent**

545. *Styposis pholcoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Succinobertus* Wunderlich, 2008*b*** ..... **Palaeogene**

546. *Succinobertus adjacens* Wunderlich, 2008*b** ..... Pa Baltic / Bitt. Amber

† ***Succinura* Wunderlich, 2008*b*** ..... **Palaeogene**

547. *Succinura aciesaeta* Wunderlich, 2008*b* ..... Pa Baltic amber

548. *Succinura bellavista* Wunderlich, 2008*b** ..... Pa Baltic amber

549. *Succinura circuita* Wunderlich, 2008*b* ..... Pa Baltic amber

550. *Succinura dubia* Wunderlich, 2008*b* ..... Pa Baltic amber

551. *Succinura fuscoruber* Wunderlich, 2008*b* ..... Pa Baltic amber

552. *Succinura ovalis* Wunderlich, 2008*b* ..... Pa Baltic amber

Succinura sp. *in* Wunderlich (2008*b*) ..... Pa Baltic amber

***Theridion* Walckenaer, 1805** ..... **?Cretaceous – Recent**

553. *Theridion annulipes* Heer, 1865 ..... Ne Öhningen

554. *Theridion atalus* Chang, 2004 [both generic and familial assignment unreliable!] ..... K Jehol Biota

555. *Theridion bucklandi* Thorell, 1870a ..... Pa Aix-en-Provence

556. *Theridion contrarium* Wunderlich, 1988 ..... Ne Dominican amber

557. *Theridion crassipalpum* Berland, 1939 ..... Pa Aix-en-Provence

558. *Theridion erectoides* Wunderlich, 1988 ..... Ne Dominican amber

559. *Theridion erectum* Wunderlich, 1988 ..... Ne Dominican amber

560. *Theridion globulus* Heer, 1865 ..... Ne Öhningen
561. *Theridion inversum* Wunderlich, 1988 ..... Ne Dominican amber
562. *Theridion maculipes* Heer, 1865 ..... Ne Öhningen
563. *Theridion variosoma* Wunderlich, 1988 ..... Ne Dominican amber
564. *Theridion wunderlichi* Penney, 2001 ..... Ne Dominican amber

i. = *Theridion ovale* Wunderlich, 1988 [preoccupied]

† ***Thyelia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

565. *Thyelia anomala* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
566. *Thyelia convexa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
567. *Thyelia fossula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
568. *Thyelia marginata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
569. *Thyelia pallida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
570. *Thyelia scotina* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
571. *Thyelia tristis* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber
572. *Thyelia villosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Ulesanis* L. Koch, 1872** ..... **Palaeogene – Recent**

573. *Ulesanis antecessor* Wunderlich, 2008*b* ..... Pa Baltic Amber
574. *Ulesanis frontprocera* Wunderlich, 2008*b* ..... Pa Baltic Amber
575. *Ulesanis longicymbium* Wunderlich, 2008*b* ..... Pa Baltic Amber
576. *Ulesanis ovalis* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. Amber
577. *Ulesanis parva* Wunderlich, 2008*b* ..... Pa Baltic / Bitt. amber

† ***Unispinatoda* Wunderlich, 2008*b*** ..... **Palaeogene**

578. *Unispinatoda aculeata* Wunderlich, 2008b* ..... Pa Baltic / Bitt. Amber

† ***Vicipholcomma* Wunderlich, 2008*b*** ..... **Palaeogene**

579. *Vicipholcomma spiralis* Wunderlich, 2008b* ..... Pa Baltic Amber

Theridiidae *incertae sedis*

580. '*Anelosimus*' *clypeatus* Wunderlich, 1988 ..... Ne Dominican amber

THERIDIOSOMATIDAE Simon, 1881 ..... **Cretaceous – Recent**

Theridiosomatidae gen. et sp. indet *in* Wunderlich (2004*i*) ..... Pa Baltic amber
Theridiosomatidae gen. et sp. indet *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

***Baalzebub* Coddington, 1986** ..... **?Cretaceous – Recent**

581. ?*Baalzebub mesozoicum* Penney, 2014 ..... K Vendée amber

generic affinities questioned by Wunderlich & Müller (2018), suggested as a member of Zarqaraneidae by Wunderlich (2020*b*)

† ***Eocoddingtonia* Selden, 2010** ..... **Cretaceous**

582. *Eocoddingtonia eskovi* Selden, 2010* ..... K Baissa, Transbaikalia

† ***Eoepeirotypus* Wunderlich, 2004j** ..... **Palaeogene**

583. *Eoepeirotypus retrobulbus* Wunderlich, 2004j* ..... Pa Baltic amber
Eoepeirotypus sp. *in* Wunderlich (2004) ..... Pa Bitterfeld amber

† ***Eotheridiosoma* Wunderlich, 2004j** ..... **Palaeogene**

584. ?*Eotheridiosoma hamatum* Wunderlich, 2011*e* ..... Pa Baltic amber

585. *Eotheridiosoma tuber* Wunderlich, 2004*j** ..... Pa Bitterfeld amber

586. *Eotheridiosoma volutum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

† ***Palaeoepeirotypus* Wunderlich, 1988** ..... **Neogene**

587. *Palaeoepeirotypus iuvenis* Wunderlich, 1988* ..... Ne Dominican amber

588. *Palaeoepeirotypus iuvenoides* Wunderlich, 1988 ..... Ne Dominican amber

† ***Spinitheridiosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

type species designated from the wrong genus!

589. *Spinitheridiosoma balticum* Wunderlich, 2004*j* ..... Pa Baltic amber

590. *Spinitheridiosoma bispinosum* Wunderlich, 2004*j* ..... Pa Bitterfeld amber

591. *Spinitheridiosoma rima* Wunderlich, 2004*j* ..... Pa Baltic amber

Theridiosoma* O. P.-Cambridge, 1879*b ..... **Neogene – Recent**

592. *Theridiosoma incompletum* Wunderlich, 1988 ..... Ne Dominican amber

† ***Umerosoma* Wunderlich, 2004*j*** ..... **Palaeogene**

593. *Umerosoma multispina* Wunderlich, 2004*j** ..... Pa Baltic amber

† **CRETAMYSMENIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Cretamysmena* Wunderlich, 2018** ..... **Cretaceous**

594. *Cretamysmena fontana* Wunderlich, 2018* ..... K Burmese amber

MYSMENIDAE Petrunkevitch, 1928 ..... **Palaeogene – Recent**

Mysmeninae sp. *in* Wunderlich (2004*ar*) ..... Pa Rovno amber

† ***Dominicanopsis* Wunderlich, 2004*k*** ..... **Neogene**

595. *Dominicanopsis grimaldii* Wunderlich, 2004*k** ..... Ne Dominican amber

† ***Eomysmenopsis* Wunderlich, 2004*k*** ..... **Palaeogene**

596. *Eomysmenopsis spinipes* Wunderlich, 2004*k** ..... Pa Baltic / Bitt. Amber

***Mysmena* Simon, 1894** ..... **Palaeogene – Recent**

Mysmena (s. l.) sp. indet *in* Wunderlich (2012a) ..... Qt Madagascan copal

597. *Mysmena* (s.l.) *copalis* Wunderlich, 2011*f* ..... Qt Madagascan copal

598. *Mysmena curvata* Wunderlich, 2011*h* ..... Pa Baltic amber

599. *Mysmena dominicana* Wunderlich, 1998 ..... Qt Madagascan copal

600. *Mysmena fossilis* Petrunkevitch, 1971 ..... Ne Chiapas amber

601. *Mysmena groehni* Wunderlich, 2004*k* ..... Pa Baltic / Bitt. amber

602. *Mysmena grotae* Wunderlich, 2004*k* ..... Pa Baltic amber

Mysmenopsis* Simon, 1897*b ..... **Neogene – Recent**

603. *Mysmenopsis lissycoleyae* Penney, 2000 ..... Ne Dominican amber

† ***Palaeomysmena* Wunderlich, 2004*k*** ..... **Palaeogene**

604. *Palaeomysmena hoffeinsorum* Wunderlich, 2004*k** ..... Pa Baltic amber

† **BALTSUCCINIDAE Wunderlich, 2004*l*** ..... **Palaeogene**

† ***Baltsuccinus* Wunderlich, 2004*l*** ..... **Palaeogene**

605. *Baltsuccinus flagellaceus* Wunderlich, 2004*l** ..... Pa Baltic amber

606. *Baltsuccinus similis* Wunderlich, 2004*l* ..... Pa Baltic amber

SYMPHYTOGNATHIDAE Hickman, 1931 ..... **Recent**

no fossil record

ANAPIDAE Simon, 1895 ..... **Palaeogene – Recent**

= MICROPHOLCOMMATIDAE Hickman, 1944

= TEXTRICELLIDAE Hickman, 1945

= HOLARCHAEIDAE Forster & Platnick, 1984

= COMAROMIDAE Wunderlich, 2004

Wunderlich (2011) recognised a family Comaromidae for *Balticoroma*.

† ***Balticoroma* Wunderlich, 2004*k*** ..... **Palaeogene**

= † *Balticorma* [*sic*] Weitschat & Wichard, 2002 [*nomen nudum*]

607. *Balticoroma damzeni* Wunderlich, 2011*h* ..... Pa Baltic amber
608. *Balticoroma ernstorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber
609. *Balticoroma gracilipes* Wunderlich 2004*k* ..... Pa Baltic/Bitt. amber
610. *Balticoroma reschi* Wunderlich, 2004*k** ..... Pa Baltic amber
611. *Balticoroma serafinorum* Wunderlich, 2004*k* ..... Pa Baltic/Bitt. amber
612. *Balticoroma tibialis* Wunderlich, 2004*k* ..... Pa Baltic amber

† ***Balticonopsis* Wunderlich, 2004*k*** ..... **Palaeogene**

613. *Balticonopsis bispina* Wunderlich, 2004*k* ..... Pa Baltic amber
614. *Balticonopsis bitterfeldensis* Wunderlich, 2004*k* ..... Pa Bitterfeld amber
615. *Balticonopsis bulbosa* Wunderlich, 2004*k* ..... Pa Baltic amber
616. *Balticonopsis ceranowiczae* Wunderlich, 2004*k* ..... Pa Baltic amber
617. *Balticonopsis distalis* Wunderlich, 2017*a* ..... Pa Baltic amber
618. *Balticonopsis dunlopi* Wunderlich, 2017*a* ..... Pa Baltic amber
619. *Balticonopsis holti* Wunderlich, 2004*k** ..... Pa Baltic amber
620. *Balticonopsis ludwigi* Wunderlich, 2017*a* ..... Pa Bitterfeld amber
621. *Balticonopsis metatarsalis* Wunderlich, 2017*a* ..... Pa Baltic amber
622. *Balticonopsis perkovskyi* Wunderlich, 2004*ar* ..... Pa Rovno amber

probably belongs to a different genus (cf. Wunderlich 2017*a*)

623. *Balticonopsis thomasi* Wunderlich, 2004*k* ..... Pa Baltic amber

Balticonopsis sp. *in* Wunderlich (2004*k*) ..... Pa Baltic amber

† ***Cenotextricella* Penney *in* Penney *et al*., 2007** ..... **Palaeogene**

624. *Cenotextricella simoni* Penney *in* Penney *et al*., 2007 ..... Pa Le Quesnoy amber

† ***Deanoorapsis* Penney, 2020** ..... **Palaeogene**

625. *Balticoroma wheateri* (Penney & Marusik *in* Penney *et al.*, 2011) ..... Pa Baltic amber

† ***Dubianapis* Wunderlich, 2004*k*** ..... **Palaeogene**

626. *Dubianapis obscura* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Flagellanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

627. *Flagellanapis voigti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Fossilanapis* Wunderlich, 2004*k*** ..... **Palaeogene**

628. *Fossilanapis anderseri* Wunderlich, 2004*k* ..... Pa Baltic amber

629. *Fossilanapis baetcheri* Wunderlich, 2004*k** ..... Pa Baltic amber
630. *Fossilanapis eichmanni* Wunderlich, 2004*k* ..... Pa Baltic amber
631. *Fossilanapis flexiotarsus* Wunderlich, 2004*k* ..... Pa Baltic amber
632. *Fossilanapis multispinae* Wunderlich, 2011*h* ..... Pa Baltic amber
633. *Fossilanapis saltans* Wunderlich, 2004*k* ..... Pa Baltic amber
634. *Fossilanapis unispinum* Wunderlich, 2004*k* ..... Pa Baltic amber
Fossilanapis sp. *in* Wunderlich (2004*k*) ..... Pa Bitterfeld amber
Fossilanapis sp. *in* Wunderlich (2011*h*) ..... Pa Baltic amber

† ***Palaeoanapis* Wunderlich, 1988** ..... **Neogene**
635. *Palaeoanapis nana* Wunderlich, 1988* ..... Ne Dominican amber

† ***Ruganapis* Wunderlich, 2004*k*** ..... **Palaeogene**
636. *Ruganapis scutata* Wunderlich, 2004*k** ..... Pa Baltic amber

† ***Saxonanapis* Wunderlich, 2004*k*** ..... **Palaeogene**
637. *Saxonanapis grabenhorsti* Wunderlich, 2004*k** ..... Pa Baltic/Bitt. Amber

† ***Tuberanapis* Wunderlich, 2004*k*** ..... **Palaeogene**
638. *Tuberanapis parvibulbus* Wunderlich, 2004*k** ..... Pa Baltic amber

† **JURARANEIDAE Eskov, 1984** ..... **Jurassic**

† ***Juraraneus* Eskov, 1984** ..... **Jurassic**
639. *Juraraneus rasnitsyni* Eskov, 1984 ..... J Transbaikalia
Wunderlich (2015*b*) suggested this could be a haplogyne spider

† **ZARQARANEIDAE Wunderlich, 2008*d*** ..... **Cretaceous**
elevated from tribe status, cf. Wunderlich (2008*d*)
Zarqaraneidae indet. 1–2 *in* Wunderlich & Müller (2018) ..... K Burmese amber

† ***Alteraraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
640. *Alteraraneus gracilipes* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Burmaforceps* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
641. *Burmaforceps amputatus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Burmaspiralis* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**
642. *Burmaspiralis trispinae* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

† ***Converszarqaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
643. *Converszarqaraneus annulipedes* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Cornicaraneus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
644. *Cornicaraneus scutatus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Crassitibia* Wunderlich, 2015*b*** ..... **Cretaceous**
645. *Crassitibia baculum* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber
646. *Crassitibia longispina* Wunderlich, 2015*b** ..... K Burmese amber
647. *Crassitibia sicilicula* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber
648. *Crassitibia tenuimana* Wunderlich, 2015*b* ..... K Burmese amber

† ***Curvitibia*** **Wunderlich, 2015*b*** ..... **Cretaceous**

649. *Curvitibia curima* Wunderlich, 2015*b**. ..... K Burmese amber

† ***Groehnianus*** **Wunderlich, 2015*b*** ..... **Cretaceous**

650. *Groehnianus burmensis* Wunderlich, 2015*b** ..... K Burmese amber

† ***Hypotheridiosoma*** **Wunderlich, 2012*d*** ..... **Cretaceous**

651. *Hypotheridiosoma falcata* Wunderlich, 2015*b* ..... K Burmese amber

652. *Hypotheridiosoma paracymbium* Wunderlich, 2012*d** ..... K Burmese amber

† ***Microproxiaraneus*** **Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

653. *Microproxiaraneus annulatus* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

† ***Palazarqaraneus*** **Wunderlich, 2020*b*** ..... **Cretaceous**

654. *Parlzarqaraneus hamulus* Wunderlich, 2020*b** ..... K Burmese amber

† ***Palptibiaap*** **Wunderlich *in* Wunderlich & Müller, 2022*a*** ..... **Cretaceous**

655. *Palptibiaap cochlear* Wunderlich *in* Wunderlich & Müller, 2022*a** ..... K Burmese amber

† ***Parvispina*** **Wunderlich, 2015*b*** ..... **Cretaceous**

656. *Parvispina tibialis* (Wunderlich, 2011*i*)* ..... K Burmese amber

† ***Paurospina*** **Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

657. *Paurospina curvata* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

658. *Paurospina fastigata* Wunderlich, 2020*b* ..... K Burmese amber

659. *Paurospina fortis* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

660. *Paurospina paulocurvata* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

† ***Proxiaraneus*** **Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

661. *Proxiaraneus rarus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

† ***Ramozarqaraneus*** **Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

662. *Ramozarqaraneus pauxillus* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

† ***Spinicymbium*** **Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

663. *Spinicymbium curvimetatarsus* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber

664. *Spinicymbium curviparacymbium* Wunderlich *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

665. *Spinicymbium unispina* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

† ***Zarqaraneus*** **Wunderlich, 2008*d*** ..... **Cretaceous**

666. *Zarqaraneus hudae* Wunderlich, 2008*d** ..... K Jordanian amber

ARANEIDAE Simon, 1895 ..... **Cretaceous – Recent**

= EPEIRIDAE Sundevall, 1833 [based on a generic synonym]

= EUETRIIDAE Thorell, 1887 [based on a generic synonym]

= ARGIOPIDAE Simon, 1890

= NEPHILIDAE Simon, 1894 [NB: some authors maintain this as a valid family]

= ZYGIELLIDAE Simon, 1929

Wunderlich & Müller (2021) questioned Cretaceous records of this family.

?Araneinae sp. *in* Wunderlich (2004*h*) ..... Pa Baltic amber

Araneidae gen. et sp. indet. *in* Ribera (2003) ..... Qt Girona, Spain

?Mangorini indet. *in* Wunderlich (2011*a*) ..... Pa Baltic amber

Nephilidae indet. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

Araneidae *incertae sedis in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Anepeira* Wunderlich, 2004*i*** ..... **Palaeogene**

667. *Anepeira complicata* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Araneometa* Wunderlich, 1988** ..... **Neogene**

668. *Araneometa excelsa* Wunderlich, 1988 ..... Ne Dominican amber

669. *Araneometa herrlingi* Wunderlich, 1988* ..... Ne Dominican amber

670. *Araneometa procera* Wunderlich *in* Wunderlich & Müller, 2022*b* ..... Ne Chiapas amber

671. *Araneometa spirembolus* Wunderlich, 1988 ..... Ne Dominican amber

Araneometa sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Araneus* Clerck, 1757** ..... **?Cretaceous – Recent**

672. *Araneus absconditus* (Scudder, 1890*a*) ..... Pa Florissant

673. *Araneus aethus* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

674. *Araneus beipiaoensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

675. *Araneus carbonaceous* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

676. *Araneus cinefactus* (Scudder, 1890a) ..... Pa Florissant

677. *Araneus defunctus* Petrunkevitch, 1958 ..... Pa Baltic amber

678. *Araneus delitus* (Scudder, 1890*a*) ..... Pa Florissant

679. *Araneus emertoni* (Scudder, 1890*a*) ..... Pa Florissant

680. *Araneus exustus* Petrunkevitch, 1963 ..... Ne Chiapas amber

681. *Araneus kinchloeae* Dunlop & Jekel, 2009 ..... Pa Florissant

i. = *Araneus indistinctus* (Petrunkevitch, 1922) [preoccupied]

682. *Araneus inelegans* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

683. *Araneus leptopodus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

684. *Araneus liaoxiensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

685. *Araneus longimanus* (Petrunkevitch, 1922) ..... Pa Florissant

686. *Araneus* (*Calinurus*) *longipes* Dalman, 1826 ..... Qt Copal

687. *Araneus luianus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

688. *Araneus meeki* (Scudder, 1890a) ..... Pa Florissant

689. *Araneus molassicus* (Heer, 1865) ..... Ne Öhningen

690. *Araneus nanus* Wunderlich, 1988 ..... Ne Dominican amber

691. *Araneus piceus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

692. *Araneus reheensis* Chang, 2004 [generic assignment unreliable!] ..... K Jehol biota

693. *Araneus ruidipedalis* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

694. *Araneus troschelii* (Bertkau, 1878*b*) ..... Ne Rott, Germany

695. *Araneus vulcanalis* (Scudder, 1890*a*) ..... Pa Florissant

?*Araneus* sp. *in* Wunderlich (2012*c*) ..... Pa Baltic amber

***Argiope* Audouin, 1826** ..... **Neogene – Recent**

= † *Magnaranea* Hong, 1985

696. *Argiope furva* (Hong, 1985) ..... Ne Shanwang

† ***Bararaneus*** **Wunderlich, 2004i** ..... **Palaeogene**

697. ?*Bararaneus annulatus* Wunderlich, 2004*i* ..... Pa Baltic amber

698. *Bararaneus evolvens* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Chrysometata*** **Wunderlich, 2004*h*** ..... **Palaeogene**

699. *Chrysometata palaearctica* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Cretaraneus*** **Selden, 1990** ..... **Cretaceous**

700. *Cretaraneus liaoningensis* Cheng, Meng & Wang *in* Cheng *et al*., 2008 ..... K Jehol biota

701. *Cretaraneus martensnetoi* Mesquita, 1996 ..... K Crato Formation

702. *Cretaraneus vilaltae* Selden, 1990* ..... K Sierra de Montsech

Enacrosoma **Mello-Leitão, 1932** ..... **Neogene – Recent**

703. *Enacrosoma verrucosa* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eoaraneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

704. *Eoaraneus complexus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Eochorizopes*** **Wunderlich, 2008*a*** ..... **Palaeogene**

705. *Eochorizopes szeklinskiae* Wunderlich, 2008*a** ..... Pa Baltic amber

† ***Eonephila*** **Wunderlich, 2004*i*** ..... **Palaeogene**

706. *Eonephila bitterfeldensis* Wunderlich, 2004*i* ..... Pa Bitterfeld amber

707. *Eonephila excellens* Wunderlich, 2004*i** ..... Pa Baltic amber

708. *Eonephila longembolus* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Eozygiella*** **Wunderlich, 2004*h*** ..... **Palaeogene**

709. *Eozygiella compacta* Wunderlich, 2004*h** ..... Pa Baltic amber

† ***Eustaloides*** **Petrunkevitch, 1842** ..... **Palaeogene**

= † *Graea* Thorell, 1869 [older synonym, but preoccupied]

710. ?*Eustaloides aberrans* (Wunderlich, 2004*h*) ..... Pa Baltic amber

711. *Eustaloides bitterfeldensis* (Wunderlich, 2004*h*) ..... Pa Bitterfeld amber

712. *Eustaloides breviembolus* (Wunderlich, 2004*h*) ..... Pa Baltic amber

713. *Eustaloides brevis* (Wunderlich, 2004*h*) ..... Pa Baltic amber

714. *Eustaloides calceatus* Petrunkevitch, 1950 ..... Pa Baltic amber

715. *Eustaloides epeiroidea* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

716. *Eustaloides impudica* (Wunderlich, 2004*h*) ..... Pa Baltic amber

717. *Eustaloides lingula* (Wunderlich, 2004*h*) ..... Pa Baltic amber

718. *Eustaloides magnocoli* (Wunderlich, 2012*c*) ..... Pa Baltic amber

719. *Eustaloides minor* Petrunkevitch, 1950 ..... Pa Baltic amber

720. *Eustaloides setosa* Petrunkevitch, 1942* ..... Pa Baltic amber

721. *Eustaloides succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Fossilaraneus*** **Wunderlich, 1988** ..... **Neogene**

722. *Fossilaraneus incertus* Wunderlich, 1988* ..... Ne Dominican amber

Gea **C. L. Koch, 1843*a*** ..... **Neogene – Recent**

723. *Gea krantzi* von Heyden, 1859 ..... Ne Rott, Germany

Hypognatha **Guérin, 1839** ..... **Quaternary – Recent**

724. *Hypognatha testudinaria* (Taczanowski, 1879) **[Recent]** ..... Qt Colombian copal

† ***Luxurionephila*** **Wunderlich, 2004*i*** ..... **Palaeogene**

725. *Luxurionephila spinifera* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Mesozygiella*** **Penney & Ortuño, 2006** ..... **Cretaceous**

726. *Mesozygiella dunlopi* Penney & Ortuño, 2006* ..... K Álava amber

Wunderlich & Müller (2021) suggested this species could belong to Deinopoidea

† ***Minutunguis*** **Wunderlich, 2011*f*** ..... **Quaternary**

727. *Minutunguis silvestris* Wunderlich, 2011*f* * ..... Qt Madagascan copal

† ***Miraraneus*** **Wunderlich, 2004*i*** ..... **Palaeogene**

728. *Miraraneus peregrinus* Wunderlich, 2004*i** ..... Pa Baltic amber

† ***Mirometa*** **Petrunkevitch, 1963** ..... **Neogene**

729. *Mirometa valdespinosa* Petrunkevitch, 1963 ..... Ne Chiapas amber

Molinaranea **Mello-Leitão, 1940** ..... **Neogene – Recent**

730. *Molinaranea mitnickii* Saupe, Selden & Penney, 2010 ..... Ne Dominican amber

Nephila **Leach, 1815** ..... **Cretaceous – Recent**

= † *Geratonephila* Poinar *in* Poinar & Buckley, 2012

731. *Nephila breviembolus* Wunderlich, 1986 ..... Ne Dominican amber

732. *Nephila burmanica* (Poinar *in* Poinar & Buckley, 2012) ..... K Burmese amber

Wunderlich (2015*b*) suggested that this may be a synonym of *N. tenuis*

733. *Nephila dommeli* Wunderlich, 1982 ..... Ne Dominican amber

734. *Nephila furca* Wunderlich, 1986 ..... Ne Dominican amber

735. *Nephila longembolus* Wunderlich, 1986 ..... Ne Dominican amber

736. *Nephila pennatipes* Scudder, 1885 ..... Pa Florissant

737. *Nephila tenuis* Wunderlich, 1986 ..... Ne Dominican amber

Nephila sp. *in* Dunlop & Penney (2012) ..... K Crato Formation

† ***Palaeonephila*** **Wunderlich, 2004*i*** ..... **Palaeogene**

738. *Palaeonephila brevis* Wunderlich, 2004*i* ..... Pa Baltic amber

739. *Palaeonephila curvata* Wunderlich, 2004*i** ..... Pa Baltic amber

740. *Palaeonephila dilitans* Wunderlich, 2004*i* ..... Pa Baltic amber

741. *Palaeonephila fibula* Wunderlich, 2004*i* ..... Pa Baltic amber

742. *Palaeonephila longipes* Wunderlich, 2004*i* ..... Pa Baltic amber

† ***Pycnosinga*** **Wunderlich, 1988** ..... **Neogene**

743. *Pycnosinga fossilis* Wunderlich, 1988* ..... Ne Dominican amber

† ***Pulchellaranea*** **Poinar, 2015** ..... **Neogene**

744. *Pulchellaranea pedunculata* Poinar, 2015* ..... Ne Dominican amber

† ***Testudinaroides*** **Dunlop & Jekel, 2008** ..... **Neogene**

= † *Testudinaria* Zhang, Sun & Zhang, 1994 [preoccupied]

745. *Testudinaroides papposa* (Zhang, Sun & Zhang, 1994) ..... Ne Shanwang

† ***Tethneus*** **Scudder, 1885** ..... **Palaeogene**

= † *Melanites* Hong, 1985

746. *Tethneus guyoti* Scudder, 1890a ..... Pa Florissant

747. *Tethneus hentzi* Scudder, 1885* ..... Pa Florissant

748. *Tethneus obduratus* Scudder, 1890*a* ..... Pa Florissant
749. *Tethneus orbiculatus* (Hong, 1985) ..... Ne Shanwang
750. *Tethneus provectus* Scudder, 1890a ..... Pa Florissant
751. *Tethneus robustus* Petrunkevitch, 1922 ..... Pa Florissant
752. *Tethneus twenhofeli* Petrunkevitch, 1922 ..... Pa Florissant

***Zilla* C. L. Koch, 1834** ..... **Palaeogene – Recent**

753. *Zilla gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
754. *Zilla porrecta* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
755. *Zilla veterana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

MALKARIDAE Davies, 1980 ..... **Recent**

= PARARCHAEIDAE Forster & Platnick, 1984
= STERNODIDAE Moran, 1986

no fossil record

MIMETIDAE Simon, 1881 ..... **Palaeogene – Recent**

= CTENOPHORIDAE Blackwall, 1870 [younger name protected by useage]

Mimetidae gen. et sp. indet. *in* Penney *et al*. (2012*a*) ..... Pa Indian amber
Mimetini sp. 1–4 *in* Wunderlich (2004*q*) ..... Pa Baltic amber

***Ero* C. L. Koch, 1836** ..... **Palaeogene – Recent**

= † *Palaeoero* Wunderlich, 2004*q*
= † *Succinero* Wunderlich, 2004*q*
[Wunderlich revalidated both as putative subgenera]

756. *Ero carboneana* Petrunkevitch, 1942 ..... Pa Baltic amber
757. *Ero aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber
treated as a *nomen dubium* by Harms & Dunlop (2009)
758. *Ero (Succinero) clunis* Wunderlich, 2012*c* ..... Pa Baltic amber
759. *Ero (Succinero) gracilitibialis* Wunderlich, 2012*c* ..... Pa Baltic amber
760. *Ero (Paleoero) longitarsus* (Wunderlich, 2004*q*) ..... Pa Baltic amber
761. *Ero permunda* Petrunkevitch, 1942 ..... Pa Baltic amber
762. *Ero (Succinero) rovnoensis* (Wunderlich, 2004*ar*) ..... Pa Rovno amber
763. *Ero (Succinero) veta* Wunderlich, 2012*c* ..... Pa Baltic amber

***Mimetus* Hentz, 1832** ..... **Palaeogene – Recent**

764. *Mimetus bituberculatus* Wunderlich, 1988 ..... Ne Dominican amber
765. *Mimetus brevipes* Wunderlich, 2004*q* ..... Pa Baltic amber
synonymised by Harms & Dunlop (2009), but ressurected by Wunderlich (2012*c*)
766. ?*Mimetus longipes* Wunderlich, 2004*q* ..... Pa Baltic amber
?*Mimetus* sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomimetus* Wunderlich, 2011** ..... **Palaeogene**

767. ?*Protomimetus breviclypeus* Wunderlich, 2011*h* ..... Pa Baltic amber
768. *Protomimetus longiclypeus* Wunderlich, 2011*h** ..... Pa Baltic amber

ARKYIDAE L. Koch, 1872

no fossil record

TETRAGNATHIDAE Menge, 1866 ..... **Cretaceous – Recent**

= PACHYGNATHIDAE Menge, 1866

= METIDAE Simon, 1894

= NANOMETIDAE Forster & Forster, 1999

† ***Anameta*** **Wunderlich, 2004*h*** ..... **Palaeogene**

769. *Anameta distenda* Wunderlich, 2004*h** ..... Pa Bitterfeld amber

770. *Anameta kuntneri* Wunderlich, 2008*a* ..... Pa Baltic amber

Azilia **Keyserling, 1882** ..... **Neogene – Recent**

771. *Azilia hispaniolensis* Wunderlich, 1988 ..... Ne Dominican amber

i. = *Azilia muellenmeisteri* Wunderlich, 1988 ..... Ne Dominican amber

Azilia sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Balticgnatha*** **Wunderlich, 2011*h*** ..... **Palaeogene**

772. *Balticgnatha projectens* Wunderlich 2011*h** ..... Pa Baltic amber

† ***Baltleucauge*** **Wunderlich, 2008*a*** ..... **Palaeogene**

773. *Baltleucauge gillespiae* Wunderlich 2008*a** ..... Pa Baltic amber

774. *Baltleucauge propinqua* Wunderlich, 2012*c* ..... Pa Baltic amber

† ***Corneometa*** **Wunderlich, 2004*h*** ..... **Palaeogene**

775. *Corneometa baltica* Wunderlich 2004*h** ..... Pa Baltic amber

776. *Corneometa pilosipes* Wunderlich 2004*h* ..... Pa Baltic amber

Cyrtognatha **Keyserling, 1882** ..... **Neogene – Recent**

777. *Cyrtognatha weitschati* Wunderlich, 1988 ..... Ne Dominican amber

† ***Eometa*** **Petrunkevitch, 1958** ..... **Palaeogene**

778. *Eometa calefacta* Wunderlich, 2004*h* ..... Pa Baltic amber

779. *Eometa longipes* Petrunkevitch, 1958 ..... Pa Baltic amber

780. *Eometa occulta* Wunderlich, 2004*h* ..... Pa Baltic amber

781. *Eometa perfecta* Wunderlich, 2004*h* ..... Pa Baltic amber

782. *Eometa samlandica* Petrunkevitch, 1958* ..... Pa Baltic amber

Eometa sp. 1–2 *in* Wunderlich (2004*h*) ..... Pa Baltic amber

Homalometa **Simon, 1897*b*** ..... **Neogene – Recent**

783. *Homalometa fossilis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Huergina*** **Selden & Penney, 2003** ..... **Cretaceous**

784. *Huergina diazromerali* Selden & Penney, 2003* ..... K Las Hoyas, Spain

† ***Macryphantes*** **Selden, 1990** ..... **Cretaceous**

Wunderlich (2015*b*) suggested this genus could be a synonym of *Paleouloborus*.

785. *Macryphantes cowdeni* Selden, 1990* ..... K Sierra de Montsech

Meta **C. L. Koch, 1836** ..... **Palaeogene – Recent**

786. *Meta* (*Praetermeta*) *maculosa* Wunderlich, 2008*a* ..... Pa Baltic amber

787. *Meta* (*Praetermeta*) *velans* (Wunderlich, 2004*h*) ..... Pa Baltic amber

† ***Palaeometa*** **Petrunkevitch, 1922** ..... **Palaeogene**

788. *Palaeometa opertanea* (Scudder, 1890a)* ..... Pa Florissant

† ***Palaeopachygnatha* Petrunkevitch, 1922** ..... **Palaeogene**

789. *Palaeopachygnatha cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

790. *Palaeopachygnatha scudderi* Petrunkevitch, 1922* ..... Pa Florissant

† ***Priscometa* Petrunkevitch, 1958** ..... **Palaeogene**

791. *Priscometa capta* Wunderlich, 2004*h* ..... Pa Baltic amber

792. *Priscometa minor* Wunderlich, 2004*h* ..... Pa Baltic amber

793. *Priscometa tenuipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Samlandicmeta* Wunderlich, 2012*c*** ..... **Palaeogene**

794. *Samlandicmeta mutila* Wunderlich, 2012*c* ..... Pa Baltic amber

Tetragnatha* Latreille, 1804*a ..... **Palaeogene – Recent**

795. *Tetragnatha parva* (Hong, 1985) ..... Ne Shanwang

796. *Tetragnatha pristina* Schawaller, 1982*c* ..... Ne Dominican amber

797. *Tetragnatha tertiaria* Scudder, 1885 ..... Pa Florissant

SYNOTAXIDAE Simon, 1894 ..... **Palaeogene – Recent**

† ***Acrometa* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Eogonatium* Petrunkevitch, 1942

= † *Liticen* Petrunkevitch, 1942

= † *Theridiometa* Petrunkevitch, 1942

= † *Viocurus* Petrunkevitch, 1958

798. *Acrometa clava* Wunderlich, 2004*n* ..... Pa Baltic amber

799. *Acrometa cristata* Petrunkevitch, 1942* ..... Pa NE Europe ambers

i. = *Theridiometa edwardsi* Petrunkevitch, 1942 ..... Pa Baltic amber

ii. = *Viocurus fossilis* Petrunkevitch, 1958 ..... Pa Baltic amber

800. *Acrometa eichmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

801. *Acrometa gibbosa* Wunderlich, 2022*a* ..... Pa Baltic amber

802. *Acrometa glomus* Wunderlich, 2022*a* ..... Pa Baltic amber

803. *Acrometa incidens* Wunderlich, 2004*n* ..... Pa Baltic amber

804. *Acrometa longisetae* Wunderlich, 2022*a* ..... Pa Baltic amber

805. *Acrometa pala* Wunderlich, 2004*n* ..... Pa Baltic amber

806. *Acrometa pseudorobusta* Dunlop & Jekel, 2009 ..... Pa Baltic amber

i. = *Acrometa robusta* (Petrunkevitch, 1946) [preoccupied]

807. *Acrometa setosus* (Petrunkevitch, 1942) ..... Pa Baltic amber

808. *Acrometa succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Anandrus* Menge, 1856** ..... **Palaeogene**

= † *Elucus* Petrunkevitch, 1942

809. *Anandrus inermis* (Petrunkevitch, 1942) ..... Pa Baltic amber

810. *Anandrus infelix* (Petrunkevitch, 1950)* ..... Pa Baltic amber

811. *Anandrus quaesitus* (Petrunkevitch, 1958) ..... Pa Baltic amber

812. *Anandrus redemptus* (Petrunkevitch, 1958) ..... Pa Baltic amber

† ***Balticosynotaxus* Wunderlich, 2022*a*** ..... **Palaeogene**

813. *Balticosynotaxus angulatus* Wunderlich, 2022*a** ..... Pa Baltic amber

† ***Chelicerinus* Wunderlich, 2008*a*** ..... **Palaeogene**

814. *Chelicerinus abnormis* Wunderlich, 2008*a* ..... Pa Bitterfeld amber

† ***Cornuanandrus* Wunderlich, 1986** ..... **Palaeogene**

815. *Cornuanandrus bifurcatus* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

816. *Cornuanandrus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

817. *Cornuanandrus corniculans* Wunderlich, 2004*n* ..... Pa Baltic amber

818. *Cornuanandrus maior* Wunderlich, 1986* ..... Pa Baltic amber

819. *Cornuanandrus minor* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Dubiosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

820. *Dubiosynotaxus perfectus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Eosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

821. *Eosynotaxus bispinosus* Wunderlich, 2004*n* ..... Pa Baltic amber

822. *Eosynotaxus bitterfeldensis* Wunderlich, 2004*n* ..... Pa Bitterfeld amber

823. *Eosynotaxus custodens* Wunderlich, 2004*n* ..... Pa Baltic amber

824. *Eosynotaxus fastigatus* Wunderlich, 2004*n* ..... Pa Baltic amber

825. *Eosynotaxus paucispina* Wunderlich, 2004*n* ..... Pa Baltic amber

826. *Eosynotaxus spinipes* Wunderlich, 2004*n* ..... Pa Baltic amber

827. *Eosynotaxus wegneri* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Gibbersynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

828. *Gibbersynotaxus parvus* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Protophysoglenes* Wunderlich, 2004*n*** ..... **Palaeogene**

829. *Protophysoglenes impressum* Wunderlich, 2004*n** ..... Pa Baltic amber

† ***Pseudoacrometa* Wunderlich, 1986** ..... **Palaeogene**

830. *Pseudoacrometa gracilipes* Wunderlich, 1986* ..... Pa Baltic amber

831. *Pseudoacrometa wittmanni* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Succinitaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

832. *Succinitaxus brevis* Wunderlich, 2004*n** ..... Pa European ambers

833. ?*Succinitaxus minutus* Wunderlich, 2004*n* ..... Pa Baltic amber

† ***Sulcosynotaxus* Wunderlich, 2004*n*** ..... **Palaeogene**

834. *Sulcosynotaxus cavatus* Wunderlich, 2004*n** ..... Pa Baltic amber

835. ?*Sulcosynotaxus matrimonium* Wunderlich, 2022*a* ..... Pa Baltic amber

NESTICIDAE Simon, 1894 ..... **Palaeogene – Recent**

† ***Balticonesticus* Wunderlich, 1986** ..... **Palaeogene**

836. *Balticonesticus flexuosus* Wunderlich, 1986* ..... Pa Baltic amber

***Eidmanella* Roewer, 1935** ..... **Quaternary**

837. *Eidmanella pallida* (Emerton, 1875) **[Recent]** ..... Qt Madagascar copal

† ***Eopopino* Petrunkevitch, 1942** ..... **Palaeogene**

838. *Eopopino budrysi* Eskov & Marusik, 1992 ..... Pa Baltic amber

839. *Eopopino inopinatus affinis* Wunderlich, 1986 ..... Pa Baltic amber

840. *Eopopino inopinatus inopinatus* Wunderlich, 1986 ..... Pa Baltic amber
841. *Eopopino longipes* Petrunkevitch, 1942* ..... Pa Baltic amber
842. *Eopopino palanga* Eskov & Marusik, 1992 ..... Pa Baltic amber
843. *Eopopino rarus rarus* Wunderlich, 1986 ..... Pa Baltic amber
844. *Eopopino rarus solitarius* Wunderlich, 1986 ..... Pa Baltic amber
845. *Eopopino rudloffi* Wunderlich, 2004*o* ..... Pa Bitterfeld amber

Eopopino sp. *in* Wunderlich (1986) ..... Pa Bitterfeld amber

† ***Heteronesticus* Wunderlich, 1986** ..... **Palaeogene**

846. *Heteronesticus magnoparacymbialis* Wunderlich, 1986* ..... Pa Baltic amber

† ***Hispanonesticus* Wunderlich, 1986** ..... **Neogene**

847. *Hispanonesticus latopalpus* Wunderlich, 1986* ..... Ne Dominican amber

CYATHOLIPIDAE Simon, 1894 ..... **Palaeogene – Recent**

= TEEMENAARIDAE Davies, 1978

† ***Balticolipus* Wunderlich, 2004*m*** ..... **Palaeogene**

848. *Balticolipus kruemmeri* Wunderlich, 2004*m** ..... Pa Baltic / Bitt. amber

† ***Cyathosuccinus* Wunderlich, 2004*m*** ..... **Palaeogene**

849. *Cyathosuccinus elongatus* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Erigolipus* Wunderlich, 2004*m*** ..... **Palaeogene**

850. *Erigolipus griswoldi* Wunderlich, 2004*m** ..... Pa Baltic amber

† ***Spinilipus* Wunderlich, 1993*b*** ..... **Palaeogene**

851. *Spinilipus bispinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
852. *Spinilipus curvatus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
853. *Spinilipus glinki* Wunderlich, 2004*m* ..... Pa Baltic amber
854. *Spinilipus kerneggeri* Wunderlich, 1993*b** ..... Pa Baltic amber
855. *Spinilipus longembolus* Wunderlich, 2004*m* ..... Pa Baltic amber

† ***Succinilipus* Wunderlich, 1993*b*** ..... **Palaeogene**

856. *Succinilipus abditus* Wunderlich, 2004*m* ..... Pa Baltic / Bitt. amber
857. *Succinilipus aspinosus* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
858. *Succinilipus saxoniensis* Wunderlich, 1993*b* ..... Pa Bitterfeld amber
859. *Succinilipus similis* Wunderlich, 2004*m* ..... Pa Bitterfeld amber
860. *Succinilipus teuberi* Wunderlich, 1993*b** ..... Pa Baltic amber

Succinilipus sp. *in* Wunderlich (2004*m*) ..... Pa Baltic / Bitt. Amber

PHYSOGLENIDAE Petrunkevitch, 1928 ..... **Recent**

no fossil record

PIMOIDAE Wunderlich, 1986 ..... **Palaeogene – Recent**

***Pimoa* Chamberlin & Ivie, 1943** ..... **Palaeogene – Recent**

861. *Pimoa expandens* Wunderlich, 2004*r* ..... Pa Baltic amber
862. *Pimoa (Eopimoa) hormigai* Wunderlich, 2004*r* ..... Pa Baltic amber
863. *Pimoa inopinata* Wunderlich, 2004*r* ..... Pa Baltic amber

864. *Pimoa liedtkei* Wunderlich, 2004*r* ..... Pa Baltic amber
865. *Pimoa lingua* Wunderlich, 2004*r* ..... Pa Baltic amber
866. *Pimoa (Eopimoa) longiscapus* Wunderlich, 2008*a* ..... Pa Baltic amber
867. *Pimoa multicuspuli* Wunderlich, 2004*r* ..... Pa Baltic amber
868. *Pimoa (Eopimoa) obruens* Wunderlich, 2008*a* ..... Pa Baltic amber

Pimoa sp. *in* Wunderlich (2004*r*) ..... Pa Baltic amber

Pimoa (Eopimoa) sp. *in* Wunderlich (2008*a*) ..... Pa Baltic amber

PUMILIOPIMOIDAE Wunderlich, 2008*a* ..... **Palaeogene – Recent**

† ***Pumiliopimoa* Wunderlich, 2008*a*** ..... **Palaeogene**

869. *Pumiliopimoa parma* Wunderlich, 2008*a** ..... Pa Baltic amber

LINYPHIIDAE Blackwall, 1859 ..... **Cretaceous – Recent**

= MICRYPHANTIDAE Bertkau, 1878*a*
= ERIGONIDAE Simon, 1884*c*
= SINOPIMOIDAE Li & Wunderlich, 2008

?Linyphiidae gen. et sp. indet *in* McAlpine & Martin (1969) ..... K Canadian amber

Linyphiidae gen. et sp. indet *in* Penney (2002) ..... K New Jersey amber

Linyphiidae gen. et sp. indet *in* Schmidt *et al*. (2010) ..... Ne Ethiopian amber

Linyphiinae gen. et sp. indet *in* Penney & Selden (2002) ..... K Lebanese amber

Wunderlich (2012*d*) and Wunderlich & Müller (2018) questioned the validity of the Cretaceous linyphiids

† ***Agynetiphantes* Wunderlich, 2004*s*** ..... **Palaeogene**

870. *Agynetiphantes gibbiferus* Wunderlich, 2004*s** ..... Pa Baltic amber

***Ceratinopsis* Emerton, 1882** ..... **Quaternary – Recent**

871. *Ceratinopsis deformans* (Wunderlich, 1998) ..... Qt Madagascan copal

Cnephalocotes* Simon, 1884*c ..... **Quaternary – Recent**

872. *Cnephalocotes obscurus* (Blackwall, 1834*b*) **[Recent]** ..... Qt England

† ***Custodela* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Obnisus* Petrunkevitch, 1942 [tenative synonomy]

873. *Custodela acuta* Wunderlich, 2004*s* ..... Pa Baltic amber
874. *Custodela acutula* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
875. *Custodela bispina* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
876. *Custodela bispinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
877. *Custodela cheiracantha* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
878. *Custodela clava* Wunderlich, 2004*s* ..... Pa Baltic amber
879. *Custodela curva* Wunderlich, 2004*s* ..... Pa Baltic amber
880. *Custodela curvata* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
881. *Custodela divergens* Wunderlich, 2004*s* ..... Pa Baltic amber
882. *Custodela expandens* Wunderlich, 2004*s* ..... Pa Baltic amber
883. *Custodela falcata* Wunderlich, 2004*s* ..... Pa Baltic amber
884. *Custodela femurspinosa* Wunderlich, 2004*s* ..... Pa Bitterfeld amber

885. *Custodela henningseni* Wunderlich, 2004*s* ..... Pa Baltic amber
886. *Custodela kochi* Wunderlich, 2004*s* ..... Pa Baltic amber
887. *Custodela lamellata* (Wunderlich, 1988) ..... Pa Baltic amber
888. *Custodela lanx* Wunderlich, 2004*s* ..... Pa Baltic amber
889. *Custodela oblonga* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
890. *Custodela obtusa* Wunderlich, 2004*s* ..... Pa Baltic amber
891. ?*Custodela parva* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
892. *Custodela pseudokochi* Wunderlich, 2004*s* ..... Pa Baltic amber
893. *Custodela stridulans* Wunderlich, 2004*s* ..... Pa Bitterfeld amber
894. *Custodela tenuipes* (Petrunkevitch, 1942) ..... Pa Baltic amber
895. *Custodela tibialis* Wunderlich, 2004*s* ..... Pa Baltic amber

Custodela sp. *in* Wunderlich (2004*s*) ..... Pa Bitterfeld amber

† ***Custodelela* Wunderlich, 2004s** ..... **Palaeogene**

896. *Custodelela hamata* Wunderlich, 2004*s** ..... Pa Bitterfeld amber

† ***Eolabulla* Wunderlich, 2004s** ..... **Palaeogene**

897. *Eolabulla falcata* Wunderlich, 2004*s* ..... Pa Baltic amber
898. *Eolabulla gladiformis* Wunderlich, 2004*s* ..... Pa Baltic amber
899. *Eolabulla laminata* Wunderlich, 2004*s** ..... Pa Baltic amber
900. *Eolabulla perforata* Wunderlich, 2004*s* ..... Pa Baltic amber
901. *Eolabulla sagitta* Wunderlich, 2004*s* ..... Pa Baltic amber
902. *Eolabulla similis* Wunderlich, 2004*s* ..... Pa Baltic amber

Eolabulla sp. 1–2 *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Eophantes* Wunderlich, 2004s** ..... **Palaeogene**

903. *Eophantes complicatus* Wunderlich, 2004*s** ..... Pa Baltic amber
904. ?*Eophantes seorsum* Wunderlich, 2012*c* ..... Pa Baltic amber

***Erigone* Audouin, 1826** ..... **Neogene – Recent**

905. *Erigone atra* Blackwall, 1833 **[Recent]** ..... Qt England
906. ?*Erigone dechenii* Bertkau, 1878*b* ..... Ne Rott, Germany

Erigone sp. *in* Hopkins *et al*. (1976) ..... Qt Alaska

***Floricomus* Crosby & Bishop, 1925** ..... **Neogene – Recent**

907. *Floricomus fossilis* Penney, 2005*c* ..... Ne Dominican amber

***Gonatium* Menge, 1868** ..... **Quaternary – Recent**

908. *Gonatium rubens* (Blackwall, 1833) **[Recent]** ..... Qt England

***Hypselistes* Simon, 1894** ..... **Quaternary – Recent**

909. *Hypselistes jacksoni* (O. P.-Cambridge, 1902) **[Recent]** ..... Qt England

Linyphia* Latreille, 1804*a ..... **Palaeogene – Recent**

910. *Linyphia andraei* Bertkau, 1878*b* ..... Ne Rott, Germany
911. *Linyphia byrami* Cockerell, 1925 ..... Pa Green River
912. *Linyphia florissanti* Petrunkevitch, 1922 ..... Pa Florissant
913. *Linyphia pachygnathoides* Petrunkevitch, 1922 ..... Pa Florissant
914. *Linyphia quievreuxi* Berland, 1939 ..... Pa Aix-en-Provence

915. *Linyphia retensa* Scudder, 1890*a* ..... Pa Florissant
916. *Linyphia rottensis* Bertkau, 1878*b* ..... Ne Rott, Germany
917. *Linyphia seclusa* (Scudder, 1890*a*) ..... Pa Florissant

† ***Madagascarphantes* Wunderlich, 2012*a*** ..... **Quaternary**

918. *Madagascarphantes vomerans* Wunderlich, 2012*a** ..... Qt Madagascan copal

† ***Malepellis* Petrunkevitch, 1971** ..... **Neogene**

919. *Malepellis extincta* Petrunkevitch, 1971* ..... Ne Chiapas amber

***Meioneta* Hull, 1920** ..... **Neogene – Recent**

920. *Meioneta bigibber* (Wunderlich, 1988 ..... Ne Dominican amber
921. *Meioneta fastigata* (Wunderlich, 1988) ..... Ne Dominican amber
922. *Meioneta separata* (Wunderlich, 1988) ..... Ne Dominican amber

Meioneta sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Paralabulla* Wunderlich, 2004*s*** ..... **Palaeogene**

923. *Paralabulla bitterfeldensis* Wunderlich, 2004*s** ..... Pa Bitterfeld amber
924. ?*Paralabulla dubia* Wunderlich, 2004*s* ..... Pa Baltic amber
925. *Paralabulla succinifera* Wunderlich, 2004*s* ..... Pa Baltic amber

Paralabulla sp. *in* Wunderlich (2004*s*, 2012*c*) ..... Pa Bitterfeld amber

Pocadicnemis* Simon, 1884*c ..... **Quaternary – Recent**

926. *Pocadicnemis pumila* (Blackwall, 1841) **[Recent]** ..... Qt England

***Savignia* Blackwall, 1833** ..... **Quaternary – Recent**

927. *Savignia frontata* Blackwall, 1833 **[Recent]** ..... Qt England

***Selenyphantes* Gertsch & Davis, 1946** ..... **Neogene – Recent**

= † *Palaeolinyphia* Wunderlich, 1986

928. *Selenyphantes flagellifera* (Wunderlich, 1986) ..... Ne Dominican amber

† ***Succineta* Wunderlich, 2004*s*** ..... **Palaeogene**

929. *Succineta brevispina* Wunderlich, 2004*s* ..... Pa Baltic amber
930. *Succineta discoidalis* Wunderlich, 2004*s** ..... Pa Baltic amber

Succineta sp. *in* Wunderlich (2004*s*) ..... Pa Baltic amber

† ***Succiphantes* Wunderlich, 2004*s*** ..... **Palaeogene**

931. *Succiphantes tanasevitchi* Wunderlich, 2004*s* ..... Pa Baltic amber
932. *Succiphantes velteni* Wunderlich, 2004*s** ..... Pa Baltic amber

***Toschia* Caporiacco, 1949** ..... **Quaternary – Recent**

933. ?*Toschia fossilis* Wunderlich, 2004*as* ..... Qt Madagascan copal

ERESIDAE C. L. Koch, 1851 ..... **?Miocene – Recent**

no body fossil record, but a web attributed to the extant genus *Seothyra* was described by Pickford (2000) from Miocene aeolianites in the Namib Desert of Namibia

DEINOPOIDEA C. L. Koch, 1851 ..... **Jurassic – Recent**

Stem Deinopoidea

† ***Zhizhu* Selden, Ren & Shih, 2016** ..... **Jurassic – Cretaceous**

Wunderich & Müller (2021) suggested that this genus could belong to Pholcochyroceridae

934. *Zhizhu daohugouensis* Selden, Ren & Shih, 2016* ..... J Daohugou

935. *Zhizhu jeholensis* Selden, Ren & Shih, 2016 ..... K Jehol Biota

† **PRAEARANEIDAE Wunderlich, 2017*c*** ..... **Cretaceous**

Wunderlich & Müller (2021) tentatively placed this family in Deinopoidea

† ***Praearaneus* Wunderlich, 2017*c*** ..... **Cretaceous**

936. *Praearaneus araneoides* Wunderlich, 2020*b* ..... K Burmese amber

937. *Praearaneus bruckschi* Wunderlich, 2017*c* ..... K Burmese amber

Praearaneus sp. *in* Wunderlich (2017*c*) ..... K Burmese amber

† **SALTICOIDIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

= † BURMADICTYNIDAE Wunderlich, 2017*c*

"Dictynidae gen. et sp. indet" *in* Penney (2002) ..... K New Jersey amber

† ***Burmadictyna* Wunderlich, 2008*d*** ..... **Cretaceous**

938. *Burmadictyna clava* Wunderlich, 2015*b* ..... K Burmese amber

939. *Burmadictyna crassembolus* Wunderlich *in* Wunderlich & Müller, 2021 K Burmese amber

940. *Burmadictyna excavata* Wunderlich, 2015*b* ..... K Burmese amber

941. *Burmadictyna fissura* Wunderlich *in* Wunderlich & Müller, 2021..... K Burmese amber

942. *Burmadictyna pecten* Wunderlich, 2008*d** ..... K Burmese amber

943. *Burmadictyna postcopula* Wunderlich, 2017*c*..... K Burmese amber

944. *Burmadictyna similis* Wunderlich *in* Wunderlich & Müller, 2021..... K Burmese amber

?*Burmadictyna* sp. *in* Wunderlich (2015*b*) ..... K Burmese amber

Burmadictyna sp. indet *in* Wunderlich (2017*c*) ..... K Burmese amber

† ***Palaeomicromennus* Penney, 2003**..... **Cretaceous**

945. *Palaeomicromenneus lebanensis* Penney, 2003*b** ..... K Lebanese amber

† ***Salticoidus* Wunderlich, 2008*d*** ..... **Cretaceous**

946. *Salticoidus kaddumiorum* Wunderlich, 2008*d** ..... K Jordanian amber

† **SCUTULOBORIDAE Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

† ***Scutuloborella* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

947. *Scutuloborella admirabilis* Wunderlich *in* Wunderlich & Müller, 2021* .. K Burmese amber

† ***Scutuloboroides* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

948. *Scutuloboroides pumilio* Wunderlich *in* Wunderlich & Müller, 2021* .... K Burmese amber

† ***Scutuloborus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

949. *Scutuloborus spiralembolus* Wunderlich *in* Wunderlich & Müller, 2021* K Burmese amber

† **DUBIODEINOPSIDAE Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

† ***Deinopedes* Wunderlich, 2017*c*** ..... **Cretaceous**

950. *Deinopedes tranquillus* Wunderlich, 2017*c* ..... K Burmese amber

† ***Dubiodeinopsis* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

951. *Dubiodeinopsis spinifemora* Wunderlich in Wunderlich & Müller, 2021* K Burmese amber

† **EODEINOPIDAE Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

† ***Eodeinopis* Wunderlich, 2017*c*** ..... **Cretaceous**

952. *Eodeinopis longipes* Wunderlich, 2017c* ..... K Burmese amber

DEINOPIDAE C. L. Koch, 1851 ..... **Palaeogene – Recent**

***Deinopis* MacLeay, 1839** ..... **Quaternary – Recent**

953. *Deinopis* ?*madagascariensis* Lenz, 1886 **[Recent]** ..... Qt Madagascar copal

Menneus* Simon, 1876*b ..... **Palaeogene – Recent**

954. ?*Menneus pietrzeniukae* Wunderlich, 2004*g* ..... Pa Baltic amber

?*Menneus* sp. 1–3 *in* Wunderlich (2004*g*) ..... Pa Baltic amber

SYNAPHRIDAE Wunderlich, 1986 ..... **Palaeogene – Recent**

† ***Iardinidis* Wunderlich 2004*k*** ..... **Palaeogene**

955. *Iardinidis brevipes* Wunderlich, 2004*k** ..... Pa Baltic amber

OECOBIOIDEA Blackwall, 1862 ..... **Cretaceous – Recent**

Oecobioidea fam. indet. *in* Wunderlich (2008*d*) ..... K Burmese amber

Oecobioidea indet. *in* Wunderlich 2015*b* ..... K Jordanian amber

HERSILIIDAE Thorell, 1870*a* ..... **Cretaceous – Recent**

= CHALINUROIDAE Thorell, 1873

Hersiliidae sp. 1–3 *in* Wunderlich (2004*d*) ..... Pa Baltic amber

Hersiliidae sp. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

Hersiliidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Burmesiola* Wunderlich, 2011*i*** ..... **Cretaceous**

956. *Burmesiola cretacea* Wunderlich, 2011*i** ..... K Burmese amber

957. *Burmesiola daviesi* Wunderlich, 2015*b* ..... K Burmese amber

958. *Burmesiola kachinensis* Wunderlich, 2020*b* ..... K Burmese amber

† ***"Fictotama* Petrunkevitch, 1963 (*nomen dubium*)"** ..... **Neogene**

Wunderlich 2011*f* placed a new species in this genus, which was previously considered a *nomen dubium*. He did not formally revalidate the genus

959. *"Fictotama" maculosa* Wunderlich, 2011*g* ..... Ne Dominican amber

† ***Gerdia* Menge, 1869** ..... **Palaeogene**

960. *Gerdia myura* Menge, 1869* ..... Pa Baltic amber

† ***Gerdiopsis* Wunderlich, 2004*e*** ..... **Palaeogene**

961. *Gerdiopsis infrigens* Wunderlich, 2004*e** ..... Pa Baltic amber

† ***Gerdiorum* Wunderlich 2004*e*** ..... **Palaeogene**

962. *Gerdiorum inflexum* Wunderlich 2004*e** ..... Pa Baltic amber

***Hersilia* Audouin, 1826** ..... **Palaeogene – Recent**

= † *Hersiliopsis* Wunderlich, 2004*e*

963. *Hersilia aquisextana* Gourret, 1887 ..... Pa Aix-en-Provence

964. *Hersilia madagascarensis* (Wunderlich, 2004*e*) ..... Qt–R Madagas. copal

965. ?*Hersilia miranda* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Hersiliana* Wunderlich, 2004*e*** ..... **Quaternary – Recent**

966. *Hersiliana brevipes* Wunderlich, 2004*e** ..... Qt Madagascan copal

***Hersiliola* Thorell, 1870** ..... **Palaeogene – Recent**

Hersiliola sp. *in* Selden & Wang (2014) ..... Pa Green River

† ***Prototama* Petrunkevitch, 1971** ..... **Neogene**

= † *Priscotama* Petrunkevitch, 1971

967. *Prototama antiqua* (Petrunkevitch, 1971) ..... Ne Chiapas amber

968. *Prototama maior* (Wunderlich, 1988) ..... Ne Dominican amber

969. *Prototama media* (Wunderlich, 1988) ..... Ne Dominican amber

970. *Prototama minor* (Wunderlich, 1987) ..... Ne Dominican amber

971. *Prototama succinea* Petrunkevitch, 1971* ..... Ne Chiapas amber

Prototama sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Spinasilia* Wunderlich, 2015*b*** ..... **Cretaceous**

972. *Spinasilia dissoluta* Wunderlich, 2015*b** ..... K Burmese amber

† **BURMASCUTIDAE Wunderlich, 2008*d*** ..... **Cretaceous**

† ***Burmascutum* Wunderlich, 2008*d*** ..... **Cretaceous**

973. *Burmascutum aenigma* Wunderlich, 2008*d** ..... K Burmese amber

974. *Burmascutum brevis* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

OECOBIIDAE Blackwall, 1862 ..... **Cretaceous – Recent**

= UROCTEIDAE Thorell, 1869

Oecobiidae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

† ***Lebanoecobius* Wunderlich, 2004*e*** ..... **Cretaceous**

975. *Lebanoecobius schleei* Wunderlich, 2004e* ..... K Lebanese amber

† ***Mizalia* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Paruroctea* Petrunkevitch, 1942

976. *Mizalia gemini* Wunderlich, 2004*e* ..... Pa Baltic amber

977. *Mizalia rostrata* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

i. = *Mizalia pilosula* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

978. *Mizalia spirembolus* Wunderlich, 2004*e* ..... Pa Baltic amber

Mizalia sp. *in* Wunderlich (2011*h*) ..... Pa Baltic/BItter. amber

***Oecobius* Lucas, 1846** ..... **?Cretaceous – Recent**

979. *Oecobius piliformis* Wunderlich, 1988 ..... Ne Dominican amber

?*Oecobius* sp. indet *in* Penney (2002) ..... K New Jersey amber

† ***Retrooecobius* Wunderlich, 2015*b*** ..... **Cretaceous**

980. *Retrooecobius chomskyi* Wunderlich, 2015*b** ..... K Burmese amber

981. *Retrooecobius convexus* Wunderlich, 2015*b* ..... K Burmese amber

***Uroctea* Dufour, 1820** ..... **Palaeogene – Recent**

982. *Uroctea galloprovincialis* Gourret, 1887 ..... Pa Aix-en-Provence

† ***Zamilia* Wunderlich, 2008d** ..... **Cretaceous**

983. *Zamilia aculeopectens* Wunderlich, 2015*b* ..... K Burmese amber
984. *Zamilia antecessor* Wunderlich, 2008*d** ..... K Burmese amber
985. *Zamilia quattuormammillae* Wunderlich, 2015*b* ..... K Burmese amber
Zamilia sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber

'CANOE TAPETUM' CLADE ..... **Jurassic – Recent**
ORBICULARIAE Walckenaer, 1802 ..... **Jurassic – Recent**

ULOBORIDAE Thorell, 1869 ..... **?Jurassic – Recent**
Uloboridae indet. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal
Uloboridae indet. *in* Wunderlich, 2015*b* ..... K Burmese amber
Uloboridae *incerate sedis in* Selden & Wang (2014) ..... Pa Green River
† ***Bicalamistrum* Wunderlich, 2015*b*** ..... **Cretaceous**
986. *Bicalamistrum mixtum* Wunderlich, 2015*b* ..... K Burmese amber
† ***Boavista* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**
987. *Boavista crassifemora* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber
† ***Burmasuccinus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
988. *Burmasuccinus bulla* Wunderlich *in* Wunderlich & Müller, 2018* ..... K Burmese amber
† ***Burmuloborus* Wunderlich, 2008*d*** ..... **Cretaceous**
989. *Burmuloborus antefixus* Wunderlich, 2015*b* ..... K Burmese amber
990. *Burmuloborus parvus* Wunderlich, 2008*d** ..... K Burmese amber
991. ?*Burmuloborus prolongatus* Wunderlich, 2015*b* ..... K Burmese amber
?*Burmuloborus* sp. indet. *in* Wunderlich, 2015*b* ..... K Burmese amber
† ***Eomiagrammopes* Wunderlich, 2004*f*** ..... **Palaeogene**
992. *Eomiagrammopes maior* Wunderlich, 2004*f* ..... Pa Baltic amber
993. *Eomiagrammopes minor* Wunderlich, 2004*f* ..... Pa Baltic amber
994. *Eomiagrammopes semiapertus* Wunderlich, 2011*h* ..... Pa Baltic amber
995. *Eomiagrammopes singularis* Wunderlich, 2004*f** ..... Pa Baltic amber
996. *Eomiagrammopes spinipes* Wunderlich, 2004*f* ..... Pa Baltic amber
Eomiagrammopes sp. 1–2 *in* Wunderlich (2004*f*) ..... Pa Baltic amber
?*Eomiagrammopes* sp. *in* Wunderlich (2004*f*) ..... Pa Baltic amber
† ***Hyptiomopes* Wunderlich, 2004*f*** ..... **Palaeogene**
997. *Hyptiomopes bitterfeldensis* Wunderlich 2004*f** ..... Pa Bitterfeld amber
?*Hyptiomopes* sp. *in* Wunderlich (2004*f*) ..... Pa Bitterfeld amber
***Hyptiotes* Walckenaer, 1837** ..... **Palaeogene – Recent**
= † *Androgeus* C. L. Koch & Berendt, 1854
998. *Hyptiotes convexus* Wunderlich, 2004*f* ..... Pa Baltic amber
999. *Hyptiotes glaber* Wunderlich, 2004*f* ..... Pa Baltic amber
1000. *Hyptiotes saetosus* Wunderlich, 2004*f* ..... Pa Baltic amber
1001. *Hyptiotes stellatus* Wunderlich, 2004*f* ..... Pa Baltic amber
1002. *Hyptiotes triqueter* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Jerseyuloborus*** **Wunderlich, 2011*i*** ..... **Cretaceous**

1003. *Jerseyuloborus longisoma* Wunderlich, 2011*i** ..... K New Jersey amber

† ***Kachin*** **Wunderlich, 2017*c*** ..... **Cretaceous**

1004. *Kachin fruticosus* Wunderlich, 2017*c** ..... K Burmese amber

1005. *Kachin fruticosoides* Wunderlich, 2017*c* ..... K Burmese amber

1006. *Kachin serratus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber

Miagrammopes **O. P.-Cambridge, 1870** ..... **Palaeogene – Recent**

1007. *Miagrammopes dominicanus* Wunderlich, 2004*e* ..... Ne Dominican amber

Miagrammopes sp. *in* Penney (2001) ..... Ne Dominican amber

Miagrammopes sp. *in* Wunderlich (2011*f*) ..... Qt Madagascar copal

Miagrammopes sp. *in* Selden & Wang (2014) ..... Pa Green River

† ***Microuloborus*** **Wunderlich, 2015*b*** ..... **Cretaceous**

1008. *Microuloborus ater* Wunderlich *in* Wunderlich & Müller, 2022*a* ..... K Burmese amber

1009. *Microuloborus birmanicus* Wunderlich, 2015*b** ..... K Burmese amber

1010. *Microuloborus oblongus* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

Microuloborus sp. indet. *in* Wunderlich & Müller (2021) ..... K Burmese amber

† ***Ocululoborus*** **Wunderlich, 2012*d*** ..... **Cretaceous**

1011. *Ocululoborus curvatus* Wunderlich, 2012*d** ..... K Burmese amber

questionable member of the family according to Wunderlich & Müller (2021)

† ***Opellianus*** **Wunderlich, 2004*f*** ..... **Palaeogene**

1012. *Opellianus excellens* Wunderlich, 2004*f** ..... Pa Baltic amber

1013. *Opellianus kazimierasi* Wunderlich 2004*f* ..... Pa Baltic amber

1014. *Opellianus ludwigi* Wunderlich 2004*f* ..... Pa Baltic amber

† ***Palaeouloborus*** **Selden, 1990** ..... **Cretaceous**

1015. *Palaeouloborus lacasae* Selden, 1990* ..... K Sierra de Montsech

† ***Paramiagrammopes*** **Wunderlich, 2008*d*** ..... **Cretaceous**

= † *Furculoborus* Wunderlich, 2017*c*

= † *Palaeomiagrammopes* Wunderlich, 2008*d*

1016. *Paramiagrammopes appendix* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber

1017. *Paramiagrammopes cretaceus* Wunderlich, 2008*d** ..... K Burmese amber

1018. *Paramiagrammopes curvatus* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber

1019. *Paramiagrammopes furca* Wunderlich *in* Wunderlich & Müller, 2021 K Burmese amber

1020. *Paramiagrammopes granulatus* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber

1021. *Paramiagrammopes inaequalis* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber

1022. *Paramiagrammopes inclinatus* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber

1023. *Paragrammopes* [*sic*] *longiclypeus* Wunderlich, 2015*b* ..... K Burmese amber

1024. *Paramiagrammopes multifemurspinae* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

1025. *Paramiagrammopes patellaris* (Wunderlich, 2017*c*) ..... K Burmese amber

1026. *Paramiagrammopes paracurvatus* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber

1027. *Paramiagrammopes patellidens* Wunderlich, 2015*b* ..... K Burmese amber
1028. *Paramiagrammopes pilosus* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber
1029. *Paramiagrammopes pollex* Wunderlich *in* Wunder. & Müller, 2021 .. K Burmese amber
1030. *Paramiagrammopes pusillus* Wunderlich *in* Wunderlich & Müller, 2018 ..... K Burmese amber
1031. *Paramiagrammopes semiapertus* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber
1032. *Paramiagrammopes simplex* Wunderlich *in* Wunder. & Müller, 2021 K Burmese amber
1033. *Paramiagrammopes sulcus* Wunderlich *in* Wunderlich & Müller, 2021 K Burmese amber
1034. *Paramiagrammopes texter* Wunderlich *in* Wunderlich & Müller, 2021 K Burmese amber
1035. *Paramiagrammopes unibrevispina* Wunderlich *in* Wunderlich & Müller, 2021 ..... K Burmese amber
1036. *Paramiagrammopes vesica* (Wunderlich, 2008*d*) ..... K Burmese amber
Paramiagrammopes sp. *in* Wunderlich (2008*d*) and Wunderlich & Müller (2021) ..... K Burmese amber

† ***Planibulbus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
1037. *Planibulbus longisoma* Wunderlich *in* Wunderlich & Müller, 2018* ... K Burmese amber

† ***Propterkachin* Wunderlich, 2017*c*** ..... **Cretaceous**
1038. *Propterkachin bispinatus* Wunderlich *in* Wunderlich & Müller, 2021 .. K Burmese amber
1039. *Propterkachin magnoculus* Wunderlich, 2017*c** ..... K Burmese amber
1040. *Propterkachin pygmaeus* Wunderlich *in* Wunderlich & Müller, 2022*a* . K Burmese amber
1041. *Propterkachin unispinatus* Wunderlich *in* Wunderlich & Müller, 2022*a* K Burmese amber

† ***Pseudokachin* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**
1042. *Pseudokachin tuberculatus* Wunderlich *in* Wunderlich & Müller, 2021* K Burmese amber

† ***Spiniuloborus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**
1043. *Spiniuloborus crux* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber

† ***Talbragaraneus* Selden & Beattie, 2013** [tentative familial assignment] ..... **Jurassic**
1044. *Talbragaraneus jurassicus* Selden & Beattie, 2013* ..... J Talbragar, Australia

† ***Ulobomopes* Wunderlich, 2004*f*** ..... **Palaeogene**
1045. *Ulobomopes unicus* Wunderlich, 2004*f** ..... Pa Baltic amber

† **DUBIOULOBORIDAE Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

† ***Dubiouloborix* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**
1046. *Dubiouloborix incompletus* Wunderlich *in* Wunderlich & Müller, 2021* K Burmese amber

† ***Dubiouloborus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**
1047. *Dubiouloborus praeta* Wunderlich *in* Wunderlich & Müller, 2021* ..... K Burmese amber
1048. *Dubiouloborus procerembolus* Wunderlich *in* Wunder. & Müller, 2021* K Burmese amber

† **FRATERULOBORIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Fraterulobor us* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**
1049. *Fraterulobor us bulbosus* Wunderlich *in* Wunderlich & Müller, 2018* ... K Burmese amber

† **ALTERULOBORIDAE Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

† ***Alteruloborus* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

1050. *Alteruloborus araneoides* Wunderlich *in* Wunderlich & Müller, 2018* K Burmese amber

† **CRASSICEPHALIDAE Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

† ***Crassicephalus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

1051. *Crassicephalus parvibulbus* Wunderlich *in* Wunderlich & Müller, 2021*K Burmese amber

† **MONGOLARACHNIDAE Selden, Shi & Ren, 2013** ..... **Jurassic – Cretaceous**

Wunderlich (2017*c*) considered it a haplogyne spider family, close to Pholcochyroceridae

† ***Mongolarachne* Selden, Shi & Ren, 2013** ..... **Jurassic**

1052. *Mongolarachne jurassica* (Selden, Shih & Ren, 2011)* ..... J Daohugou

† **PILOSARACHNIDAE Jiang & Li *in* Jiang *et al*., 2020** ..... **Cretaceous**

† ***Pilosarachne* Jiang & Li *in* Jiang *et al*., 2020** ..... **Cretaceous**

1053. *Pilosarachne ju* Jiang & Li *in* Jiang *et al*., 2020* ..... K Burmese amber

† **GIGARACHNIDAE Jiang & Li *in* Jiang *et al*., 2020** ..... **Cretaceous**

† ***Gigarachne* Jiang & Li *in* Jiang *et al*., 2020** ..... **Cretaceous**

1054. *Gigarachne bian* Jiang & Li *in* Jiang *et al*., 2020* ..... K Burmese amber

TITANOECOIDEA Lehtinen, 1967 ..... **Quaternary – Recent**

TITANOECIDAE Lehtinen, 1967 ..... **Recent**

no fossil record

COPALDICTYNIDAE Wunderlich, 2004*v* ..... **Quaternary – Recent**

subfamily raised to a distinct family by (Wunderlich 2020*b*)

† ***Copaldictyna* Wunderlich, 2004*v*** ..... **Quaternary**

1055. *Copaldictyna madagascariensis* Wunderlich, 2004*v** ..... Qt Madagascan copal

PHYXELIDIDAE Lehtinen, 1967 ..... Recent

no fossil record

TIBIAL APOPHYSIS CLADE *sensu* Wunderlich & Müller (2021) ..... **Cretaceous – Recent**

† **EOTIBIAAPOPHYSIDAE Wunderlich, 2018 (stat. nov. Wunderlich & Müller 2021)**

† ***Eoagalenomorphus* Wunderlich *in* Wunderlich & Müller, 2021** ..... **Cretaceous**

1056. *Eoagelenomorphus cretaceus* Wunderlich *in* Wunder. & Müller, 2018*K Burmese amber

† ***Eotibiaapophysis* Wunderlich *in* Wunderlich & Müller, 2018** ..... **Cretaceous**

1057. *Eotibiaapophysis reliquus* Wunderlich *in* Wunderlich & Müller, 2018*. K Burmese amber

RETROLATERAL TIBIAL APOPHYSIS CLADE ..... **Cretaceous – Recent**

?RTA-clade *in* Wunderlich (2008*d*) ..... K Burmese amber

?RTA-clade *in* Wunderlich (2017*c*) ..... K Burmese amber

?RTA-clade *in* Wunderlich & Müller (2018) ..... K Burmese amber

ZODARIIDOIDEA Thorell, 1881 ..... **Palaeogene – Recent**

PENESTOMIDAE Simon, 1903 ..... **Recent**

no fossil record

ZODARIIDAE Thorell, 1881 ..... **Palaeogene – Recent**

= CRYPTOTHELIDAE L. Koch, 1872 [younger name protected by useage]

= † ADJUTORIDAE Petrunkevitch, 1942

Zodariidae gen. et sp. indet 1–4 *in* Wunderlich (2004*ae*) ..... Pa Baltic amber

† ***Adorator*** **Petrunkevitch, 1942** ..... **Palaeogene**

1058. *Adorator hispidus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic / Rovno amber

i. = *Segestria cylindrica* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

ii. = *Eresus curtipes* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

iii. = *Eresus monachus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

iv. = *Adorator brevipes* Petrunkevitch, 1942* ..... Pa Baltic amber

1059. *Adorator samlandicus* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Angusdarion*** **Wunderlich, 2004*ae*** ..... **Palaeogene**

1060. *Angusdarion humilis Wunderlich*, 2004*ae** ..... Pa Baltic amber

† ***Anniculus*** **Petrunkevitch, 1942** ..... **Palaeogene**

1061. *Anniculus balticus* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Eocydrele*** **Petrunkevitch, 1958** ..... **Palaeogene**

1062. *Eocydrele mortua* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Propago*** **Petrunkevitch, 1963** ..... **Neogene**

1063. *Propago debilis* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Spinizodarion*** **Wunderlich, 2004*ae*** ..... **Palaeogene**

1064. *Spinizodarion ananulum* Wunderlich, 2004*ae** ..... Pa Baltic amber

† ***Zodariodamus*** **Wunderlich 2004*ae*** ..... **Palaeogene**

1065. *Zodariodamus recurvatus* Wunderlich 2004*ae** ..... Pa Baltic amber

MARRONIDS

CHUMMIDAE Jocqué, 2001 ..... **Recent**

no fossil record

AMAUROBIIDAE Thorell, 1870*a* ..... **Palaeogene – Recent**

= CINIFLONIDAE Blackwall, 1841

[partly also Dictynidae; based on a generic synonym]

Amaurobiinae gen. et sp. indet. *in* Wunderlich (2004*u*) ..... Pa Baltic amber

"AGELENOMORPHA"

Agalenomorpha indet. *in* Wunderlich & Müller (2021) ..... K Burmese amber

AGELENIDAE C. L. Koch, 1837 ..... **Palaeogene – Recent**

= TEGENARIDAE Prach, 1860

= † INCEPTORIDAE Petrunkevitch, 1942

***Agelena* Walckenaer, 1805** ..... **Palaeogene – Recent**

1066. *Agelena tabida* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Histopona* Thorell, 1869** ..... **Palaeogene – Recent**

1067. ?*Histopona anthracina* Bertkau, 1878*b* ..... Ne Rott, Germany

† ***Inceptor* Petrunkevitch, 1942** ..... **Palaeogene**

1068. *Inceptor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

1069. *Inceptor dubius* Petrunkevitch, 1946 ..... Pa Baltic amber

Tegenaria* Latreille, 1804*a ..... **Palaeogene – Recent**

1070. ?*Tegenaria fragmentum* Wunderlich, 2004*w* ..... Pa Baltic amber

1071. *Tegenaria lacazei* Gourret, 1887 ..... Pa Aix-en-Provence

1072. ?*Tegenaria obtusa* Wunderlich, 2004*w* ..... Pa Baltic amber

DICTYNOIDEA O. P.-Cambridge, 1871 ..... **Palaeogene – Recent**

Dictynoidea *incertae sedis*

† ***Sinodictyna* Hong, 1982** ..... **Palaeogene**

1073. *Sinodictyna fushunensis* Hong, 1982* ..... Pa Fu Shun amber

CYBAEIDAE Simon, 1898*a* ..... **Palaeogene – Recent**

= ARGYRONETIDAE Thorell, 1870*a* [both family names protected by usage]

Argyroneta* Latreille, 1804*a ..... **?Neogene – Recent**

1074. *Argyroneta aquatica* (Clerck, 1757) **[Recent]** ..... Qt England

1075. ?*Argyroneta longipes* Heer, 1865 ..... Ne Öhningen

† ***Vectaraneus* Selden, 2001** ..... **Palaeogene**

1076. *Vectaraneus yulei* Selden, 2001* ..... Pa Bembridge Marls

HAHNIIDAE Bertkau, 1878*a* ..... **Palaeogene – Recent**

† ***Cymbiohahnia* Wunderlich, 2004*v*** ..... **Palaeogene**

1077. *Cymbiohahnia parens* Wunderlich, 2004*v* ..... Pa Baltic, Bitterfeld & Rovno amber

† ***Eocryphoeca* Petrunkevitch, 1958** ..... **Palaeogene**

1078. *Eocryphoeca bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1079. *Eocryphoeca duplex* Wunderlich, 2022*a* ..... Pa Baltic amber

1080. *Eocryphoeca electrina* Wunderlich, 2004*v* ..... Pa Baltic amber

1081. *Eocryphoeca falcata* Wunderlich, 2004*v* ..... Pa Baltic amber

1082. *Eocryphoeca gibbifera* Wunderlich, 2004*v* ..... Pa Baltic amber

1083. *Eocryphoeca gracilipes* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

1084. *Eocryphoeca ligula* Wunderlich, 2004*v* ..... Pa Baltic amber

1085. *Eocryphoeca mammilla* Wunderlich, 2004*v* ..... Pa Baltic amber

1086. *Eocryphoeca splendens* Wunderlich, 2004*v* ..... Pa Baltic amber

Eocryphoeca sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Eocryphoecara* Wunderlich, 2004*v*** ..... **Palaeogene**

1087. *Eocryphoecara abicera* Wunderlich, 2004*v** ..... Pa Baltic amber

1088. *Eocryphoecara longtegap* Wunderlich, 2022 ..... Pa Baltic amber

† ***Eohahnia* Petrunkevitch, 1958** ..... **Palaeogene**

1089. *Eohahnia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Protohahnia* Wunderlich, 2004v** ..... **Palaeogene**

1090. *Protohahnia antiqua* Wunderlich, 2004*v** ..... Pa Baltic amber

1091. *Protohahnia tripartita* Wunderlich, 2004*v* ..... Pa Baltic amber

genus uncertain

1092. '*Tegenaria*' *obscura* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

DICTYNIDAE O. P.-Cambridge, 1871 ..... **?Paleogene – Recent**

= RHIOIDAE Thorell, 1873

= † ARTHRODICTYNIDAE Petrunkevitch, 1942

Dictynidae sp. 1–2 *in* Wunderlich (2004v) ..... Pa Baltic amber

Dictynidae sp. 1–5 *in* Wunderlich (2008*d*) ..... K Burmese amber

Dictyninae indet *in* Wunderlich (2012*b*) ..... Pa Rovno amber

Wunderlich & Müller (2021) questioned the validity of all the Cretaceous dictynids

***Argenna* Thorell, 1870a** ..... **Neogene – Recent**

1093. *Argenna fossilis* Petrunkevitch *in* Palmer, 1957 ..... Ne Mojave Desert

† ***Balticocryphoeca* Wunderlich, 2004v** ..... **Palaeogene**

1094. *Balticocryphoeca curvitarsis* Wunderlich, 2004*v** ..... Pa Baltic / Bitt. amber

† ***Brommellina* Wunderlich, 2004v** ..... **Palaeogene**

1095. *Brommellina longungulae* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Chelicirrum* Wunderlich, 2004*v*** ..... **Palaeogene**

1096. *Chelicirrum stridulans* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Cryphoezaga* Wunderlich, 2004*v*** ..... **Palaeogene**

1097. *Cryphoezaga dubia* Wunderlich, 2004*v** ..... Pa Baltic amber

***Dictyna* Sundevall, 1833** ..... **Quaternary – Recent**

1098. *Dictyna rufa* Wunderlich, 2012*a* ..... Qt Madagascan copal

† ***Eobrommella* Wunderlich, 2004*v*** ..... **Palaeogene**

1099. *Eobrommella scutata* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eodictyna* Wunderlich, 2004*v*** ..... **Palaeogene**

1100. *Eodictyna communis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Eolathys* Petrunkevitch, 1950** ..... **Palaeogene**

1101. *Eolathys debilis* Petrunkevitch, 1950 ..... Pa Baltic amber

1102. *Eolathys succini* Petrunkevitch, 1950* ..... Pa Baltic amber

† ***Flagelldictyna* Wunderlich, 2012*a*** ..... **Quaternary**

1103. *Flagelldictyna copalis* Wunderlich, 2012*a** ..... Qt Madagascar copal

† ***Gibbermastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

1104. *Gibbermastigusa lateralis* Wunderlich, 2004*v** ..... Pa Baltic amber

† ***Hispaniolyna* Wunderlich, 1988** ..... **Neogene**

1105. *Hispaniolyna hirsuta* Wunderlich, 1988 ..... Ne Dominican amber

1106. *Hispaniolyna magna* Wunderlich, 1988* ..... Ne Dominican amber

† ***Mastigusa* Menge *in* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

= † *Eotetrilus* Wunderlich, 1982 [*nomen nudum*]

1107. *Mastigusa acuminata* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

1108. *Mastigusa arcuata* Wunderlich, 2004*v* ..... Pa Baltic amber

1109. *Mastigusa bitterfeldensis* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1110. *Mastigusa laticymbium* Wunderlich, 2004*v* ..... Pa Baltic amber

1111. *Mastigusa magnibulbus* Wunderlich, 2004*v* ..... Pa Bitterfeld amber

1112. *Mastigusa media* Wunderlich, 1986 ..... Pa Baltic amber

1113. *Mastigusa modesta* Wunderlich, 1986 ..... Pa Baltic amber

1114. *Mastigusa scutata* Wunderlich, 2004*v* ..... Pa Baltic amber

Mastigusa sp. *in* Wunderlich (2004*v*) ..... Pa Baltic amber

† ***Mizagalla* Wunderlich, 2004*v*** ..... **Palaeogene**

1115. *Mizagalla quattuor* Wunderlich, 2004*v** ..... Pa Baltic amber

1116. *Mizagalla tuberculata* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Palaeodictyna* Wunderlich, 1988** ..... **Neogene**

1117. *Palaeodictyna intermedia* Wunderlich, 1988 ..... Ne Dominican amber

1118. *Palaeodictyna longispina* Wunderlich, 1988 ..... Ne Dominican amber

1119. *Palaeodictyna singularis* Wunderlich, 1988 ..... Ne Dominican amber

1120. *Palaeodictyna spiculum* Wunderlich, 1988 ..... Ne Dominican amber

1121. *Palaeodictyna termitophila* Wunderlich, 1988* ..... Ne Dominican amber

1122. *Palaeodictyna unispina* Wunderlich, 1988 ..... Ne Dominican amber

† ***Palaeolathys* Wunderlich, 1986** ..... **Neogene**

1123. *Palaeolathys circumductus* Wunderlich, 1988 ..... Ne Dominican amber

1124. *Palaeolathys copalis* Wunderlich, 1986 ..... Qt Dominican copal

1125. *Palaeolathys quadruplex* Wunderlich, 1988 ..... Ne Dominican amber

1126. *Palaeolathys similis* Wunderlich, 1988 ..... Ne Dominican amber

1127. *Palaeolathys spinosa* Wunderlich, 1986* ..... Ne Dominican amber

Palaeolathys sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Protomastigusa* Wunderlich, 2004*v*** ..... **Palaeogene**

1128. *Protomastigusa composita* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Scopulyna* Wunderlich, 2004*v*** ..... **Palaeogene**

1129. *Scopulyna cursor* Wunderlich, 2004*v* ..... Pa Baltic amber

† ***Succinya* Wunderlich, 1988** ..... **Neogene**

1130. *Succinya longembolus* Wunderlich, 1988 ..... Ne Dominican amber

1131. *Succinya pulcher* Wunderlich, 1988* ..... Ne Dominican amber

1132. *Succinya spinipalpus* Wunderlich, 1988 ..... Ne Dominican amber

Thallumetus* Simon, 1892*b ..... **Quaternary – Recent**

1133. *Thallumetus copalis* Wunderlich, 2004*at* ..... Qt Colombian copal

CYCLOCTENIDAE Simon, 1898a ..... **Recent**

no fossil record

STIPHIDIIDAE Dalmas, 1917 ..... **Recent**

no fossil record

DESIDAE Pocock, 1895 ..... **Palaeogene – Recent**

***Myro* O. P.-Cambridge, 1876** ..... **Palaeogene – Recent**

1134. *Myro extinctus* Petrunkevitch, 1958 [belongs in Dictynidae?] ..... Pa Baltic amber

1135. *Myro hirsutus* Petrunkevitch, 1942 ..... Pa Baltic amber

AMPHINECTIDAE Forster & Wilton, 1973 ..... **Recent**

= NEOLANIDAE Forster & Wilton, 1973

no fossil record

SPARASSIDAE Bertkau, 1872 ..... **Palaeogene – Recent**

= HETEROPODIDAE Thorell, 1873

= MICROMMATIDAE Bertkau, 1878*a*

= EUSPARASSIDAE Järvi, 1912

Sparassidae sp. 1–2 *in* (Wunderlich 2008*c*) ..... Pa Baltic amber

† ***Caduceator* Petrunkevitch, 1942** ..... **Palaeogene**

1136. *Caduceator quadrimaculatus* Petrunkevitch, 1950 ..... Pa Baltic amber

***Eusparassus* Simon 1903** ..... **Palaeogene – Recent**

1137. *Eusparassus crassipes* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

Heteropoda* Latreille, 1804*a ..... **Palaeogene – Recent**

= † *Retina* Hong, 1985

1138. *Heteropoda rpbusta* [*sic*] (Hong, 1985) ..... Ne Shanwang

as '*H. robusta*' this would be a junior homonym of a living species.

***Pseudosparianthis* Simon, 1887** ..... **Neogene – Recent**

1139. *Pseudosparianthis pfeifferi* (Wunderlich, 1988) ..... Ne Dominican amber

***Zachria* L. Koch, 1875** ..... **Palaeogene – Recent**

an Australian genus; Wunderlich (2012*c*) regarded *Z. desiderablis* as gen. indet. and Wunderlich (2022*a*) also questioned amber taxa assigned to this genus

1140. *Zachria desiderabilis* Petrunkevitch, 1950 ..... Pa Baltic amber

HOMALONYCHIDAE Simon, 1893 ..... **Recent**

no fossil record

OVAL CALAMISTRUM CLADE

UDUBIDAE Griswold & Polotow, 2015 ..... **Recent**

no fossil record

ZOROPSIDAE Bertkau, 1882 ..... **Palaeogene – Recent**

= ZOROCRATIDAE Dahl, 1913

= TENGELLIDAE Dahl, 1908

Zoropsidae sp. *in* Wunderlich (2004*x*) ..... Pa Baltic / Bitt. Amber

† ***Cymbioropsis* Wunderlich, 2017*a*** ..... **Palaeogene**

1141. *Cymbioropsis palpussutura* Wunderlich, 2017*a** ..... Pa Baltic amber

† ***Eomatachia* Petrunkevitch, 1942** ..... **Palaeogene**

1142. *Eomatachia barbarus* Wunderlich, 2004*x* ..... Pa Baltic amber

1143. *Eomatachia bipartita* Wunderlich, 2004*x* ..... Pa Baltic amber

1144. *Eomatachia divergens* Wunderlich, 2004*x* ..... Pa Baltic amber

1145. *Eomatachia duplex* Wunderlich, 2004*x* ..... Pa Baltic amber

1146. *Eomatachia latifrons* Petrunkevitch, 1942* ..... Pa Baltic amber

1147. *Eomatachia recedens* Wunderlich, 2004*x* ..... Pa Baltic amber

1148. *Eomatachia succini* (Petrunkevitch, 1942) ..... Pa Baltic amber

1149. *Eomatachia wegneri* Wunderlich, 2004*x* ..... Pa Baltic amber

1150. *Eomatachia xanthippe* Wunderlich, 2004*x* ..... Pa Baltic amber

† ***Eoprychia* Petrunkevitch, 1958** ..... **Palaeogene**

1151. *Eoprychia clara* Wunderlich, 2017*a* ..... Pa Baltic amber

1152. *Eoprychia succini* Petrunkevitch, 1958* ..... Pa Baltic amber

1153. *Eoprychia succinopsis* Wunderlich, 2004*x* ..... Pa Baltic amber

1154. *Eoprychia vicina* Wunderlich, 2004*x* ..... Pa Baltic amber

Eoprychia sp. *in* Wunderlich (2004*x*) ..... ?Pa not specified

† ***Eotrechalea* Wunderlich, 2004*aa*** ..... **Palaeogene**

Transferred to Zoropsidae *s.l.* by Wunderlich (2022a)

1155. *Eotrechalea annulata* Wunderlich, 2004*aa** ..... Pa Baltic amber

1156. *Eotrechalea darrellubicki* Wunderlich, 2022*a* ..... Pa Baltic amber

† ***Pseudoeoprychia* Wunderlich, 2017*a*** ..... **Palaeogene**

1157. *Pseudoeoprychia triplex* Wunderlich, 2017*a** ..... Pa Baltic amber

† ***Succiniropsis* Wunderlich, 2004*x*** ..... **Palaeogene**

1158. *Succiniropsis kutscheri* Wunderlich, 2004*x** ..... Pa Baltic / Bitt. amber

1159. *Succiniropsis runcinata* Wunderlich, 2012*c* ..... Pa Baltic amber

1160. *Succiniropsis samlandica* Wunderlich, 2004*x* ..... Pa Baltic amber

† **INSECUTORIDAE Petrunkevitch, 1942** ..... **Palaeogene**

† ***Insecutor* Petrunkevitch, 1942** ..... **Palaeogene**

1161. *Insecutor aculeatus* Petrunkevitch, 1942* ..... Pa Baltic amber

1162. *Insecutor mandibulatus* Petrunkevitch, 1942 ..... Pa Baltic amber

1163. ?*Insecutor pecten* Wunderlich, 2004*y* ..... Pa Baltic amber

1164. *Insecutor rufus* Petrunkevitch, 1942 ..... Pa Baltic amber

1165. ?*Insecutor spinifer* Wunderlich, 2004*y* ..... Pa Baltic amber

?*Insecutor* sp. *in* Wunderlich (2004*y*) ..... Pa Baltic amber

† **SUCCINOMIDAE Wunderlich, 2012*c*** ..... **Palaeogene**

† ***Eohalinobius* Wunderlich, 2008*c*** ..... **Palaeogene**

1166. *Eohalinobius calefactus* Wunderlich, 2012*c* ..... Pa Baltic amber

1167. *Eohalinobius hiddenseeensis* Wunderlich, 2012*c* ..... Pa Baltic amber

1168. *Eohalinobius patina* Wunderlich, 2012*c* ..... Pa Baltic amber

1169. *Eohalinobius scutatus* Wunderlich, 2008*c* ..... Pa Baltic amber

† ***Succinomus* Wunderlich, 2008*c*** ..... **Palaeogene**

1170. *Succinomus duomammillae* Wunderlich, 2008*c* ..... Pa Baltic amber

1171. ?*Succinomus gibbosus* Wunderlich, 2012*c* ..... Pa Baltic amber

CTENIDAE Keyserling, 1877 ..... **Neogene – Recent**

= ACANTHOCTENIDAE Simon, 1892*b*

† ***Nanoctenus* Wunderlich, 1988** ..... **Neogene**

1172. *Nanoctenus longipes* Wunderlich, 1988* ..... Ne Dominican amber

SENOCULIDAE Simon, 1890 ..... **Recent**

= NEOTHEREUTOIDAE Holmberg, 1883 [based on a generic synonym]

no fossil record

OXYOPIDAE Thorell, 1870a ..... **Palaeogene – Recent**

= SPHASIDAE O. P.-Cambridge, 1871

= HAMATALIVIDAE Marx, 1890*b*

Oxyopidae sp. *in* Wunderlich 2004*ab* ..... Pa Bitterfeld amber

***Oxyopes* Latreille, 1804a** ..... **Palaeogene – Recent**

1173. *Oxyopes defectus* Wunderlich, 1988 ..... Ne Dominican amber

1174. '*Oxyopes*' *succini* Petrunkevitch, 1958 ..... Pa Baltic amber

Oxyopes sp. *in* Wunderlich (1988, 2004*ab*) ..... Ne Dominican amber

† ***Planoxyopes* Petrunkevitch, 1963** ..... **Neogene**

1175. *Planoxyopes eximius* Petrunkevitch, 1963* ..... Ne Chiapas amber

i.= *Planoxyopes fossilis* Wunderlich, 1988 [*lapsus*] ..... Ne Chiapas amber

PISAURIDAE Simon, 1890 ..... **Palaeogene – Recent**

= BRADYSTICHIDAE Simon, 1884

= DOLOMEDIDAE Simon, 1898*a*

= HALIDAE Jocqué, 1994

Pisauridae sp. *in* Wunderlich (1988) ..... Pa Dominican amber

Pisauridae sp. *in* Wunderlich (2004*z*) ..... Pa Baltic amber

Dolomedes* Latreille, 1804*a ..... **Quaternary – Recent**

1176. *Dolomedes fimbriatus* (Clerck, 1757) **[Recent]** ..... Qt England

† ***Palaeoperenethis* Selden & Penney, 2009** ..... **Palaeogene**

1177. *Palaeoperenethis thaleri* Selden & Penney, 2009* ..... Pa British Columbia

TRECHALEIDAE Simon, 1890 ..... **Palaeogene – Recent**

Wunderlich (2022*a*) suggested that this family may not actually be present in Baltic amber

= TRICLARIDAE O. P.-Cambridge, 1877 [*nomen oblitum*]

= PERISSOBLEMMATIDAE O. P.-Cambridge, 1882*b* [based on a synonym]

Trechaleidae sp. *in* Wunderlich (2004*aa*) ..... Pa Baltic amber

† ***Linoptes*** **Menge in C. L. Koch & Berendt, 1854** ..... **Palaeogene**

1178. ?'*Linoptes*' *oculeus* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

?'Linoptes' sp. 1–8 *in* Wunderlich (2004*z*) ..... Pa Baltic amber

Linoptes mentioned as a *nomen nudum* by Wunderlich (2004*z*); this species listed by Wunderlich (2004*aa*) under Trechaleidae and another species under Pisauridae (see below)

'LYCOSOIDEA' Sundevall, 1833 ..... **Cretaceous – Recent**

† ***Korearachne*** **Selden, Nam, Kim & Kim, 2012** ..... **Cretaceous**

1179. *Korearachne jinju* Selden, Nam, Kim & Kim, 2012* ..... K Sacheon, S. Korea

tentative assignment to Lycosoidea; disputed by Wunderlich (2012*d*) who suggested it could be a haplogyne spider in Pholcoidea or Leptonetoidea

LYCOSIDAE Sundevall, 1833 ..... **?Cretaceous – Recent**

Lycosidae gen. et sp. *in* Bottali (1975) ..... Qt Italy

Lycosidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Lycosidae gen. et sp. *in* Penney (2001) ..... Ne Dominican amber

Lycosidae gen. et sp. *in* Kim & Nam (2012) [unreliable record !] ..... K Lioyuan, China

Alopecosa **Simon, 1885*b*** ..... **Quaternary – Recent**

1180. *Alopecosa ?pulverulenta* (Clerck, 1757) **[Recent]** ..... Qt England

† ***Dryadia*** **Zhang, Sun & Zhang, 1994** ..... **Palaeogene**

1181. *Dryadia acanthopoda* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

Lycosa **Latreille, 1804*a*** ..... **Palaeogene – Recent**

1182. *Lycosa florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1183. *Lycosa lithographica* Schawaller & Ono, 1979 ..... Ne Randecker Maar

1184. *Lycosa malleata* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1185. *Lycosa miocaena* Schawaller & Ono, 1979 ..... Ne Randecker Maar

1186. *Lycosa subterranea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

Pardosa **C. L. Koch, 1847** ..... **Quaternary – Recent**

1187. *Pardosa pullata* (Clerck, 1757) **[Recent]** ..... Qt England

Pardosa sp. *in* Scott (2003) ..... Qt England

Pirata **Sundevall, 1833** ..... **Quaternary – Recent**

1188. *Pirata ?piraticus* (Clerck, 1757) **[Recent]** ..... Qt England

Trochosa **C. L. Koch, 1847** ..... **Quaternary – Recent**

1189. *Trochosa terricola* Thorell, 1856 **[Recent]** ..... Qt England

† **PARATTIDAE Petrunkevitch, 1922** ..... **Palaeogene**

† ***Parattus*** **Petrunkevitch, 1922** ..... **Palaeogene**

1190. *Parattus evocatus* (Scudder, 1890*a*) ..... Pa Florissant

1191. *Parattus latitatus* (Scudder, 1890*a*) ..... Pa Florissant

1192. *Parattus oculatus* Petrunkevitch, 1922 ..... Pa Florissant

1193. *Parattus resurrectus* (Scudder, 1890*a*)* ..... Pa Florissant

PSECHRIDAE Simon, 1890 ..... **Recent**

no fossil record

THOMISIDAE Sundevall, 1833 ..... **Palaeogene – Recent**

= APHANTOCHILIDAE Thorell, 1873

= MISUMENIDAE Thorell, 1887

= STIPHROPODIDAE Simon, 1895

= XYSTICIDAE Dahl, 1912

= BORBOROPACTIDAE Wunderlich, 2004*ao*

Thomisidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

Thomisidae gen. et sp. *in* Bottali (1975) ..... Qt Italy

Thomisidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Thomisidae gen. et sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Thomisidae gen. et sp. 1–2 *in* Wunderlich (2004*ap*) ..... Pa Baltic amber

Thomisidae gen. et sp. *in* Garciá-Villafuerte (2006*b*) ..... Ne Chiapas amber

Thomisidae *incertae sedis in* Selden & Wang (2014) ..... Pa Green River

Coriarachne* Thorell, 1870*b ..... **Quaternary – Recent**

Coriarachne sp. *in* Cutler (1970) ..... Qt Wyoming

† ***Ecotona* Lin, Zhang & Wang, 1989** [ex Araneidae] ..... **Neogene**

1194. *Ecotona brunnea* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1195. *Ecotona pilulifera* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1196. *Ecotona transipeda* Lin, Zhang & Wang, 1989* ..... Ne Shanwang

† ***Facundia* Petrunkevitch, 1942** ..... **Palaeogene**

1197. *Facundia clara* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Heterotmarus* Wunderlich, 1988** ..... **Neogene**

1198. *Heterotmarus altus* Wunderlich, 1988* ..... Ne Dominican amber

† ***Komisumena* Ono, 1981** ..... **Neogene**

1199. *Komisumena rosae* Ono, 1981* ..... Ne Dominican amber

† ***Miothomisus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1200. *Miothomisus subnudus* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang

1201. *Miothomisus sylvaticus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

† ***Palaeoxysticus* Wunderlich, 1985** ..... **Neogene**

1202. *Palaeoxysticus extinctus* Wunderlich, 1985 ..... Ne Randecker Maar

† ***Parvulus* Zhang, Sun & Zhang, 1994** ..... **Neogene**

1203. *Parvulus latissimus* Zhang, Sun & Zhang, 1994* ..... Ne Shanwang

† ***Succinaenigma* Wunderlich, 2004ap** ..... **Palaeogene**

1204. *Succinaenigma raptor* Wunderlich, 2004*ap** ..... Pa Baltic amber

† ***Succiniraptor* Wunderlich, 2004*ao*** ..... **Palaeogene**

1205. *Succiniraptor radiatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Succiniraptor paradoxus* Wunderlich, 2004ao* ..... Pa Baltic amber

***Synema* Simon, 1864** ..... **Palaeogene – Recent**

1206. *Synema enigmaticum* Berland, 1939 ..... Pa Aix-en-Provence

† ***Syphax* C. L. Koch & Berendt, 1854** ..... **Palaeogene**

1207. *Syphax megacephalus* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

ii. = *Syphax asper* Petrunkevitch, 1950 ..... Pa Baltic amber

iii. = *Syphax crassipes* Petrunkevitch, 1942..... Pa Baltic amber

iv. = *Syphax fuliginosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

v. = *Syphax gracilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

vi. = *Syphax thoracicus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1208. *Syphax secedens* Wunderlich, 2015*a* ..... Pa Baltic amber

† ***Thomisidites* Straus, 1967** ..... **Neogene**

1209. *Thomisidites hercynicus* Straus, 1967* ..... Ne Willershausen

† ***Thomisiraptor* Wunderlich, 2004*ap*** ..... **Palaeogene**

1210. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** ..... **Palaeogene – Recent**

1211. *Thomisiraptor liedtkei* Wunderlich, 2004*ap** ..... Pa Baltic amber

1212. *Thomisus defossus* Scudder, 1890*a* ..... Pa Florissant

1213. *Thomisus disjunctus* Scudder, 1890*a* ..... Pa Florissant

1214. *Thomisus lividus* Heer, 1865 ..... Ne Öhningen

1215. *Thomisus resutus* Scudder, 1890*a* ..... Pa Florissant

1216. *Thomisus sulzeri* Heer, 1865 ..... Ne Öhningen

***Xysticus* C. L. Koch, 1835** ..... **Palaeogene – Recent**

1217. ?*Xysticus annulipes* Bertkau, 1878*b* ..... Ne Rott, Germany

1218. *Xysticus archaeopalpus* Leech & Matthews, 1971 ..... Ne Alaska

1219. *Xysticus oeningensis* (Heer, 1865) ..... Ne Öhningen

Xysticus sp. *in* Protescu (1937) ..... Pa Romanian amber

PRODIDOMIDAE Simon, 1884*a* ..... **Quaternary – Recent**

= MILTIIDAE Thorell, 1873 [based on a generic synonym]

***Prodidomus* Hentz, 1847** ..... **Quaternary – Recent**

1220. *Prodidomus madagascariensis* Wunderlich, 2011*c*..... Qt Madagascar copal

DIONYCHA Petrunkevitch, 1928

"Thomisiformes" gen et. sp. 1 *in* Marusik *et al*. (2018) ..... Pa Sakhalinian amber

TROCHANTERIIDAE Karsch, 1879 ..... **Palaeogene – Recent**

= PLATORIDAE Simon, 1890

† ***Balticososybius* Penney, 2020** ..... **Palaeogene**

= † *Adamator* Petrunkevitch, 1942

= † *Adjunctor* Petrunkevitch, 1942

= † *Adulatrix* Petrunkevitch, 1942

The type species of *Sosybius* C. L. Koch & Berendt, 1854 was designated a *nomen dubium* by Penney (2020), necessitating the erection of a new name based using Wunderlich's species *mizgirisi* as the type.

1221. *Balticososybius berendti* (Wunderlich, 2004*am*) ..... Pa Baltic amber
1222. *Balticososybius falcatus* (Wunderlich, 2004*am*) ..... Pa Baltic amber
1223. *Balticososybius kochi* (Wunderlich, 2004*am*) ..... Pa Baltic amber
1224. *Balticososybius lateralis* (Wunderlich, 2004*am* ..... Pa Baltic amber
1225. *Balticososybius longipes* (Wunderlich, 2004*am*) ..... Pa Baltic amber
1226. *Balticososybius mizgirisi* (Wunderlich, 2004*am*)* ..... Pa Baltic amber
1227. *Balticososybius perniciosus* (Wunderlich, 2004*a*) ..... Pa Baltic amber
1228. *Balticososybius tibialis* (Wunderlich, 2004*am*) ..... Pa Baltic amber
1229. *Balticososybius unispinosus* (Wunderlich, 2004*am*) ..... Pa Baltic amber
Balticososybius sp. [as *Sosybius* sp.] *in* Wunderlich (2004*am*, *ar*) ..... Pa Baltic / Rovno amber

† ***Eotrochanteria* Wunderlich, 2004*am*** ..... **Palaeogene**
1230. *Eotrochanteria kruegeri* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Trochanteridromulus* Wunderlich, 2004*am*** ..... **Palaeogene**
1231. *Trochanteridromulus glabripes* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Trochanteridromus* Wunderlich, 2004*am*** ..... **Palaeogene**
1232. *Trochanteridromus scutatus* Wunderlich, 2004*am** ..... Pa Baltic amber

† ***Veterator* Petrunkevitch, 1963** ..... **Neogene**
1233. *Veterator angustus* Wunderlich, 1988 ..... Ne Dominican amber
1234. *Veterator ascutum* Wunderlich, 1988 ..... Ne Dominican amber
1235. *Veterator extinctus* Petrunkevitch, 1963* ..... Ne Chiapas amber
1236. *Veterator incompletus* Wunderlich, 1982 ..... Ne Dominican amber
1237. *Veterator longipes* Wunderlich, 1988 ..... Ne Dominican amber
1238. *Veterator loricatus* Wunderlich, 1988 ..... Ne Dominican amber
1239. *Veterator porrectus* Wunderlich, 1988 ..... Ne Dominican amber
1240. *Veterator viduus* Wunderlich, 1988 ..... Ne Dominican amber
Veterator sp. 1–2 *in* Wunderlich (1988) ..... Ne Dominican amber

'CLUBIONOIDEA *incertae sedis'*

Wunderlich (2011*d*) proposed removing almost all the amber fossils from the clubionids *sensu stricto*. We follow this in part for the two genera below, but would prefer a more formal treatment before accepting all these transfers. In general the delimitation of even modern clubionids, and related forms, is problematic.

† ***Concursator* Petrunkevitch, 1958** ..... **Palaeogene**
1241. *Concursator nudipes* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Systariella* Wunderlich, 2004*af*** ..... **Palaeogene**
1242. *Systariella magnioculi* Wunderlich, 2004*af** ..... Pa Baltic amber

CLUBIONIDAE Simon, 1895 ..... **Palaeogene – Recent**
Clubionidae gen. et sp. *in* Nishikawa (1974) ..... Qt Mizunami copal

Clubiona* Latreille, 1804*a ..... **Palaeogene – Recent**

1243. *Clubiona arcana* Scudder, 1890*a* ..... Pa Florissant

1244. *Clubiona curvispinosa* Petrunkevitch, 1922 ..... Pa Florissant

1245. *Clubiona florissanti* Petrunkevitch, 1922 ..... Pa Florissant

† ***Desultor* Petrunkevitch, 1942** ..... **Palaeogene**

1246. *Desultor depressus* Petrunkevitch, 1942 ..... Pa Baltic amber

***Elaver* O. P.-Cambridge, 1898** ..... **Neogene – Recent**

1247. *Elaver nutua* (Wunderlich, 1988) ..... Ne Dominican amber

† ***Eobumbatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1248. *Eobumbatrix latebrosa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eodoter* Petrunkevitch, 1958** ..... **Palaeogene**

1249. *Eodoter eopala* Wunderlich, 2004*af* ..... Pa Baltic amber

1250. *Eodoter lonimammillae* Wunderlich, 2012*c* ..... Pa Baltic amber

1251. *Eodoter magnificus* Petrunkevitch, 1958* ..... Pa Baltic amber

1252. *Eodoter scutatus* Wunderlich, 2011*d* ..... Pa Baltic amber

1253. ?*Eodoter tibialis* Wunderlich, 2011*d* ..... Pa Baltic amber

† ***Eostentatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1254. *Eostentatrix cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1255. *Eostentatrix ostentata* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Eoversatrix* Petrunkevitch, 1922** ..... **Palaeogene**

1256. *Eoversatrix eversa* (Scudder, 1890*a*)* ..... Pa Florissant

† ***Prosocer* Petrunkevitch, 1963** ..... **Neogene**

1257. *Prosocer mollis* Petrunkevitch, 1963* ..... Ne Chiapas amber

Clubionidae *incertae sedis*

† ***Chiapasona* Petrunkevitch, 1963** ..... **Neogene**

1258. *Chiapasona defuncta* Petrunkevitch, 1963* ..... Ne Chiapas amber

ANYPHAENIDAE Bertkau, 1878*a* ..... **Palaeogene – Recent**

= AMAUROBIOIDIDAE Hickman, 1949

***Anyphaena* Sundevall, 1833** ..... **Palaeogene – Recent**

1259. '*Anyphaena*' *fuscata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Anyphaenoides* Berland, 1913** ..... **Neogene – Recent**

1260. *Anyphaenoides bulla* (Wunderlich, 1988) ..... Ne Dominican amber

***Lupettiana* Brescovit, 1997** ..... **Neogene – Recent**

1261. *Lupettiana ligula* (Wunderlich, 1988) ..... Ne Dominican amber

***Wulfila* O. P.-Cambridge, 1895** ..... **Neogene – Recent**

1262. *Wulfila spinipes* Wunderlich, 1988 ..... Ne Dominican amber

GALLIENIELLIDAE Millot, 1947 ..... **Recent**

no fossil record

LIOCRANIDAE Simon, 1897*a* ..... **Palaeogene – Recent**

?Liocranidae *in* Wunderlich (1988) ..... Ne Dominican amber

***Apostenus* Westring, 1851** ..... **Palaeogene – Recent**

1263. *Apostenus arnoldorum* Wunderlich, 2004*ag* ..... Pa Baltic amber

1264. *Apostenus bigibber* Wunderlich, 2004*ag* ..... Pa Baltic / Bitt. amber

1265. *Apostenus spinimanus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Donuea* Strand, 1932** ..... **Quaternary – Recent**

1266. *Donuea collustrata* Bosselaers & Dierick, 2010 **[Recent]** ..... Qt – R Madagascar

† ***Palaeospinisoma* Wunderlich, 2004*ag*** ..... **Palaeogene**

1267. *Palaeospinisoma femoralis* Wunderlich, 2004*ag** ..... Pa Baltic amber

TRACHELIDAE Simon,1897 ..... **Neogene – Recent**

***Trachelas* L. Koch, 1872** ..... **Neogene**

1268. *Trachelas poinari* Penney, 2001 ..... Ne Dominican amber

CITHAERONIDAE Simon, 1893 ..... **Recent**

no fossil record

PHRUROLITHIDAE Banks, 1892 ..... **Palaeogene – Recent**

Penney (2020) regarded three previous fossil species assigned to this family as *nomina dubia* (see below)

† ***Eomazax* Petrunkevitch, 1958** ..... **Palaeogene**

1269. *Eomazax pulcher* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Laccolithus* Petrunkevitch, 1958** ..... **Palaeogene**

Penney (2020) regarded all fossil *Phrurolithus* species as *nomina dubia*, but Wunderlich recognised *Laccolithus* as a valid subgenus, promoted it to genus and added a second species

1270. *Laccolithus extinctus* Petrunkevitch, 1958* ..... Pa Baltic amber

1271. *Laccolithus petrunkevitchi* Wunderlich, 2022*a* ..... Pa Baltic amber

† **EPHALMATORIDAE Petrunkevitch, 1950** ..... **Palaeogene**

† ***Ephalmator* Petrunkevitch, 1950** ..... **Palaeogene**

1272. *Ephalmator bitterfeldensis* Wunderlich, 2004*ad* ..... Pa Bitterfeld amber

1273. *Ephalmator calidus* Wunderlich, 2004*ad* ..... Pa Baltic amber

1274. *Ephalmator debilis* Wunderlich, 2004*ad* ..... Pa Baltic amber

1275. *Ephalmator distinctus* Wunderlich, 2004*ad* ..... Pa Baltic amber

1276. *Ephalmator ellwangeri* Wunderlich, 2004*ad* ..... Pa Baltic amber

1277. *Ephalmator fossilis* Petrunkevitch, 1950* ..... Pa Baltic amber

1278. *Ephalmator kerneggeri* Wunderlich, 2004*ad* ..... Pa Baltic amber

1279. *Ephalmator petrunkevitchi* Wunderlich, 2004*ad* ..... Pa Baltic amber

1280. *Ephalmator ruthildae* Wunderlich, 2004*ad* ..... Pa Baltic amber

1281. *Ephalmator tredecim* Wunderlich, 2012*c* ..... Pa Baltic amber

1282. *Ephalmator trudis* Wunderlich, 2004*ad* ..... Pa Baltic amber

1283. *Ephalmator turpiculus* Wunderlich, 2004*ad* ..... Pa Baltic amber

Ephalmator sp. *in* Wunderlich (2004*ad*) ..... Pa Baltic amber

AMMOXENIDAE Simon, 1893 ..... **Recent**

no fossil record

LAMPONIDAE Simon, 1893 ..... **Recent**

no fossil record

GNAPHOSIDAE Pocock, 1898 ..... **?Cretaceous – Recent**

= DRASSIDAE Sundevall, 1833 [based on a generic synonym]

† ***Captrix*** **Petrunkevitch, 1942** ..... **Palaeogene**

1284. *Captrix lineata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

Drassodes **Westring, 1851** ..... **Palaeogene – Recent**

1285. *Drassodes cupreus* (Blackwall, 1834*a*) **[Recent]** ..... Qt England

1286. ?*Drassodes femurus* Lin, Zhang & Wang, 1989 ..... Ne Shanwang

1287. ?*Drassodes sextii* Berland, 1939 ..... Pa Aix-en-Provence

† ***Drassyllinus*** **Wunderlich, 1988** ..... **Neogene**

1288. *Drassyllinus aliter* Wunderlich, 1988* ..... Ne Dominican amber

† ***Eognaphosops*** **Wunderlich, 2011*b*** ..... **Palaeogene**

1289. *Eognaphosops cryptoplanoides* Wunderlich 2011*b** ..... Pa Baltic amber

† ***Eomactator*** **Petrunkevitch, 1958** ..... **Palaeogene**

1290. *Eomactator hamatus* Wunderlich, 2011*b* ..... Pa Baltic amber

1291. *Eomactator hirsutipes* Wunderlich, 2011*b* ..... Pa Baltic amber

1292. *Eomactator mactatus* Petrunkevitch, 1958* ..... Pa Baltic amber

1293. *Eomactator obscurior* Wunderlich, 2011*b* ..... Pa Baltic amber

Gnaphosa **Latreille, 1804*a*** ..... **?Cretaceous – Recent**

1294. *Gnaphosa affinis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Philodromus dubius* C. L. Koch & Berendt, 1854

1295. *Gnaphosa ambigua* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1296. *Gnaphosa liaoningensis* Chang, 2004 [generic assignment unreliable!] K Jehol biota

Micaria **Westring, 1851** ..... **Palaeogene – Recent**

1297. *Micaria tenella* Heer, 1865 ..... Ne Öhningen

† ***Palaeodrassus*** **Petrunkevitch, 1922** ..... **Palaeogene**

1298. *Palaeodrassus cockerelli* Petrunkevitch, 1922 ..... Pa Florissant

1299. *Palaeodrassus florissanti* Petrunkevitch, 1922 ..... Pa Florissant

1300. *Palaeodrassus hesternus* (Scudder, 1890*a*) ..... Pa Florissant

1301. *Palaeodrassus ingenuus* (Scudder, 1890a)* ..... Pa Florissant

1302. *Palaeodrassus interitus* (Scudder, 1890a) ..... Pa Florissant

Scopoides **Platnick, 1989** ..... **Palaeogene – Recent**

1303. *Scopoides dominicanus* Wunderlich, 2011*g* ..... Ne Dominican amber

Zelotes **Gistel, 1848** ..... **Palaeogene**

1304. *Zelotes concinna* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1305. *Zelotes mundula* (C. L. Koch & Berendt, 1854) ..... Pa Baltic ambe

i. = *Melanophora nobilis* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1306. *Zelotes regalis* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Zelotetis* Wunderlich, 2011*b*** ..... **Palaeogene**

1307. *Zelotetis calefacta* Wunderlich, 2011*b* ..... Pa Baltic amber

CORINNIDAE Karsch, 1880*a* ..... **Palaeogene – Recent**

= MYRMECIIDAE C. L. Koch, 1851 [name already used for ants]

extinct genera were not considered in the otherwise comprehensive revision of Ramírez (2014), some fossil corinnids may now belong in other families

† ***Ablator* Petrunkevitch, 1942** ..... **Palaeogene**

= † *Abliguritor* Petrunkevitch, 1942

= † *Eothanatus* Petrunkevitch, 1950

1308. *Ablator biguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1309. *Ablator curvatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1310. *Ablator deminuens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1311. *Ablator depressus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1312. *Ablator diritatis* (Petrunkevitch, 1950) ..... Pa Baltic amber

1313. *Ablator duomammillae* Wunderlich, 2004*ah* ..... Pa Baltic amber

1314. *Ablator felix* (Petrunkevitch, 1958) ..... Pa Baltic amber

1315. *Ablator inevolvens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1316. *Ablator longus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1317. *Ablator nonguttatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1318. *Ablator parvus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1319. *Ablator robustus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1320. *Ablator scutatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1321. *Ablator splendens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1322. *Ablator triguttatus* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber

i. = *Philodromus microcephalus* C. L. Koch & B., 1854 .... Pa Baltic amber

ii. = *Philodromus squamiger* C. L. Koch & Berendt, 1854 Pa Baltic amber

iii. = *Abligurator niger* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Alterphrurolithus* Wunderlich, 2004*ah*** ..... **Palaeogene**

1323. *Alterphrurolithus longipes* Wunderlich, 2004*ah* ..... Pa Baltic amber

Castianeira* Keyserling, 1880*b ..... **Neogene – Recent**

1324. *Castianeira tenebricosa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Chemmisomma* Wunderlich, 1988** ..... **Neogene**

1325. *Chemmisomma dubia* Wunderlich, 1988* ..... Ne Dominican amber

Corinna* C. L. Koch, 1842*a ..... **Neogene – Recent**

1326. *Corinna flagelliformis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Cornucymbium* Wunderlich, 2004ah** ..... **Palaeogene**

1327. *Cornucymbium insolens* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Cryptoplanus* Petrunkevitch, 1958** ..... **Palaeogene**

1328. *Cryptoplanus bulbosus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1329. *Cryptoplanus complicatus* Wunderlich, 2004*ah* ..... Pa Baltic amber

1330. *Cryptoplanus incidens* Wunderlich, 2004*ah* ..... Pa Baltic amber

1331. *Cryptoplanus lanatus* (Petrunkevitch, 1958) ..... Pa Baltic amber

1332. *Cryptoplanus paradoxus* Petrunkevitch, 1958* ..... Pa Baltic amber

1333. *Cryptoplanus sericatus* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

1334. *Cryptoplanus sinuosus* Wunderlich, 2004*ah* ..... Pa Baltic amber

Cryptoplanus sp. *in* Wunderlich (2004*ah*) ..... Pa Baltic amber

Megalostrata* Karsch, 1880*a ..... **Neogene – Recent**

1335. *Megalostrata grandis* Wunderlich, 1988 ..... Ne Dominican amber

† ***Myrmecorinna* Wunderlich, 2004*ah*** ..... **Palaeogene**

1336. *Myrmecorinna procera* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

i. = *Myrmecorinna gracilis* Wunderlich, 2004*ah** ..... Pa Baltic amber

† ***Palpiraptor* Wunderlich, 2011*f*** ..... **Quaternary**

1337. *Palpiraptor myrmarachnoides* Wunderlich, 2011*f** ..... Qt Madagascar copal

† ***Protoorthobula* Wunderlich, 2004*ah*** ..... **Palaeogene**

1338. *Protoorthobula bifida* Wunderlich, 2004*ah** ..... Pa Baltic amber

1339. *Protoorthobula deelemani* Wunderlich, 2004*ah* ..... Pa Baltic / Bitt. Amber

VIRIDASIIDAE Lehtinen, 1967 ..... **Recent**

No fossil record

SELENOPIDAE Simon, 1897*a* ..... **Palaeogene – Recent**

Selenopidae *incertae sedis in* Selden & Wang (2014) ..... Pa Baltic amber

† ***Garcorops* Corronca, 2003** ..... **Quaternary – Recent**

1340. *Garcorops jadis* Bosselaers, 2004 ..... Qt Madagascar copal

i.= ?*Anyphops cortex* Wunderlich, 2004*as* ..... Qt Madagascar copal

***Selenops* Latreille, 1819** ..... **Palaeogene – Recent**

1341. *Selenops benoiti* Wunderlich, 2004*as* ..... Qt Madagascar copal

1342. *Selenops beynai* Schawaller, 1984 ..... Ne Dominican amber

1343. *Selenops dominicanus* Wunderlich, 2004*an* ..... Ne Dominican amber

Selenops sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Selenops sp. *in* García-Villafuerte (2006*b*) ..... Ne Chiapas amber

Selenops sp. *in* Penney (2007) ..... Pa Le Quesnoy amber

MITURGIDAE Simon, 1885*a* ..... **Palaeogene – Recent**

= ZORIDAE F.O.P.-Cambridge, 1893

† ***Zorapostenus* Wunderlich, 2008*c*** ..... **Palaeogene**

1344. *Zorapostenus raveni* Wunderlich, 2008*c* ..... Pa Baltic amber

EUTICHURIDAE Lehtinen, 1967 ..... **Recent**

= CHEIRACANTHIDAE Wagner, 1887

***Strotarchus* Simon, 1888** ..... **Neogene – Recent**

= † *Mimeutychurus* Petrunkevitch, 1963 [tentative synonomy]

1345. *Strotarchus heidti* Wunderlich, 1988 ..... Ne Dominican amber

1346. *Strotarchus paradoxus* (Petrunkevitch, 1963) ..... Ne Chiapas amber

PHILODROMIDAE Thorell, 1870*a* ..... **Cretaceous – Recent**

Philodromidae sp. *in* Wunderlich (1988) ..... Ne Dominican amber

Philodromidae sp. *in* Wunderlich (2004*ae*) ..... Pa Baltic amber

† ***Balticodromus* Wunderlich, 2022** ..... **Palaeogene**

1347. *Balticodromus porrectus* Wunderlich, 2022*a** ..... Pa Baltic amber

† ***Cretadromus* Cheng, Shen & Gao, 2009** ..... **Cretaceous**

1348. *Cretadromus liaoningensis* Cheng, Shen & Gao, 2009 ..... K Liaoning Province

Wunderlich (2012*d*) suggested this fossil could belong in Theridosomatidae

SALTICIDAE Blackwall, 1841 ..... **Palaeogene – Recent**

= ATTIDAE Sundevall, 1833 [based on a generic synonym]

= LYSSOMANIDAE Peckham & Wheeler, 1889

Salticidae gen. et sp. *in* Schawaller (1982*d*) ..... Ne Willershausen

Salticidae *incertae sedis in* Selden (2014*b*) ..... Pa Isle of Wight

† ***Almolinus* Petrunkevitch, 1958** ..... **Palaeogene**

1349. *Almolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Bitterfeld amber

1350. *Almolinus clarus* Petrunkevitch, 1958* ..... Pa Baltic amber

1351. *Almolinus ligula* Wunderlich, 2004*aq* ..... Pa Baltic amber

?*Almolinus* sp. in Wunderlich (2004*aq*) ..... Pa Baltic amber

† ***Attoides* Brongniart, 1877** ..... **Palaeogene**

1352. *Attoides eresiformis* Brongniart, 1877 ..... Pa Aix-en-Provence

† ***Calilinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1353. *Calilinus fleissneri* Wunderlich, 2004*aq** ..... Pa Baltic amber

† ***Cenattus* Petrunkevitch, 1942** ..... **Palaeogene**

1354. *Cenattus exophthalmicus* Petrunkevitch, 1942* ..... Pa Baltic amber

***Corythalia* C. L. Koch, 1851** ..... **Neogene – Recent**

1355. *Corythalia ocululiter* Wunderlich, 1988 ..... Ne Dominican amber

1356. *Corythalia pilosa* Wunderlich, 1982 ..... Ne Dominican amber

1357. *Corythalia scissa* Wunderlich, 1988 ..... Ne Dominican amber

† ***Descangeles* Wunderlich, 1988** ..... **Neogene**

1358. *Descangeles pygmaeus* Wunderlich, 1988* ..... Ne Dominican amber

Descangeles sp. 1–2 in Wunderlich (1988) ..... Ne Dominican amber

***Descanso* Peckham & Peckham, 1892** ..... **Neogene – Recent**

Descanso sp. *in* Wunderlich (1988) ..... Ne Dominican amber

† ***Distanilinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1359. *Distanilinus filum* Wunderlich, 2004*aq* ..... Pa Baltic amber

1360. *Distanilinus nutus* Wunderlich, 2004*aq** ..... Pa Baltic amber

1361. *Distanilinus paranutus* Wunderlich, 2004*aq* ..... Pa Baltic amber
1362. *Distanilinus pernutus* Wunderlich, 2004*aq* ..... Pa Baltic amber
† ***Eoattopsis* Gourret, 1887** ..... **Palaeogene**
1363. *Eoattopsis hirsutus* Gourret, 1887* ..... Pa Aix-en-Provence
† ***Eolinus* Petrunkevitch, 1942** ..... Palaeogene
1364. *Eolinus balticus* Żabka, 1988 ..... Pa Baltic amber
1365. *Eolinus fungus* Wunderlich, 2004*aq* ..... Pa Baltic amber
1366. *Eolinus insuriens* Wunderlich, 2004*aq* ..... Pa Baltic amber
1367. *Eolinus prominens* Wunderlich, 2004*aq* ..... Pa Baltic amber
1368. *Eolinus samlandica* Wunderlich, 2004*aq* ..... Pa Baltic amber
1369. *Eolinus succineus* Petrunkevitch, 1942* ..... Pa Baltic amber
1370. *Eolinus theryi* Petrunkevitch, 1942 ..... Pa Baltic amber
1371. *Eolinus theryoides* Wunderlich, 2004*aq* ..... Pa Baltic amber
1372. *Eolinus tystschenkoi* Proszynski & Żabka, 1980 ..... Pa Baltic amber
1373. *Eolinus vates* Wunderlich, 2004*aq* ..... Pa Baltic amber
Eolinus sp. *in* Wunderlich (2004*aq*) ..... Pa Baltic amber
***Euophrys* C. L. Koch, 1834** ..... **Palaeogene – Recent**
1374. *Euophrys randeckensis* Schawaller & Ono, 1979 ..... Ne Randecker Maar
† ***Evagoratus* Zhang, Sun & Zhang, 1994** ..... **Neogene**
1375. *Evagoratus longicruris* Zhang, Sun & Zhang, 1994 ..... Ne Shanwang
***Galianora* Maddison, 2006** ..... **Neogene**
1376. *Galianora marcoi* García-Villafuerte, 2018 ..... Ne Chiapas amber
† ***Gorgopsidis* Wunderlich, 2004*aq*** ..... **Palaeogene**
1377. *Gorgopsidis bechlyi* Wunderlich, 2004*aq** ..... Pa Baltic amber
† ***Gorgopsina* Petrunkevitch, 1955*a*** ..... **Palaeogene – Neogene**
1378. *Gorgopsina amabilis* Wunderlich, 2004*aq* ..... Pa Baltic amber
1379. *Gorgopsina constricta* Wunderlich, 2004*aq* ..... Pa Baltic amber
1380. *Gorgopsina expandens* Wunderlich, 2004*aq* ..... Pa Baltic amber
1381. *'Gorgopsina' fasciata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1382. *Gorgopsina flexuosa* Wunderlich, 2004*aq* ..... Pa Baltic amber
1383. *Gorgopsina fractura* Wunderlich, 2004*ar* ..... Pa Rovno amber
1384. *Gorgopsina frenata* (C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
1385. *Gorgopsina inclusa* Wunderlich, 2004aq ..... Pa Baltic amber
1386. *Gorgopsina marginata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1387. *Gorgopsina melanocephala* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
1388. *Gorgopsina rectangularis* Wunderlich, 2011*h* ..... Pa Baltic amber
1389. ?*Gorogopsina scharffi* Wunderlich, 2017*d* ..... Ne Ethiopian amber
1390. *Gorgopsina speciosa* Wunderlich, 2004*aq* ..... Pa Baltic amber
***Heliophanus* C. L. Koch, 1833** ..... **Palaeogene – Recent**
1391. *Heliophanus extinctus* Berland, 1939 ..... Pa Aix-en-Provence
***Hyllus* C. L. Koch, 1846** ..... **Quaternary – Recent**

= † *Parevophrys* Petrunkevitch, 1942

1392. *Hyllus succini* (Petrunkevitch, 1942) ..... Qt Copal

originally described as Baltic amber

***Lyssomanes* Hentz, 1845** ..... **Neogene – Recent**

1393. *Lyssomanes pristinus* Wunderlich, 1986 ..... Ne Dominican amber

i.= *Lyssomanes galianoae* Reiskind, 1989 ..... Ne Dominican amber

1394. *Lyssomanes pulcher* Wunderlich, 1988 ..... Ne Dominican amber

***Maevia* C. L. Koch, 1846** ..... **?Neogene – Recent**

1395. *Maevia eureka* Riquelme & Menéndez-Acuña, 2017 ..... Ne Chiapas amber

† ***Microlinus* Wunderlich, 2004*aq*** ..... **Palaeogene**

1396. *Microlinus calidus* Wunderlich, 2004*aq* ..... Pa Baltic amber

1397. *Microlinus folium* Wunderlich, 2004*aq** ..... Pa Baltic amber

***Myrmarachne* MacLeay, 1839** ..... **Quaternary – Recent**

= † *Entomocephalus* Holl, 1829 [suppressed; see ICZN Opinion 2258]

1398. *Myrmarachne formicoides* (Holl, 1829) ..... ?Qt Copal [?not amber]

Neon* Simon, 1876*a ..... **Quaternary – Recent**

1399. *Neon ?reticulatus* (Blackwall, 1853) **[Recent]** ..... Qt England

***Nilakantha* Peckham & Peckham, 1901** ..... **Neogene – Recent**

1400. *Nilakantha beugelorum* (Wolff, 1990) ..... Ne Dominican amber

† ***Paralinus* Petrunkevitch, 1942** ..... **Palaeogene**

1401. *Paralinus crosbyi* Petrunkevitch, 1942* ..... Pa Baltic amber

† ***Pensacolatus* Wunderlich, 1988** ..... **Neogene**

1402. *Pensacolatus coxalis* Wunderlich, 1988* ..... Ne Dominican amber

1403. *Pensacolatus spinipes* Wunderlich, 1988 ..... Ne Dominican amber

1404. ?*Pensacolatus tibialis* Wunderlich, 2004*aq* ..... Ne Dominican amber

Pensacolatus sp. *in* Wunderlich (1988) ..... Ne Dominican amber

***Phidippus* C. L. Koch, 1846** ..... **Palaeogene**

1405. *Phidippus impressus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

1406. *Phidippus pusillus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Phlegrata* Wunderlich, 1988** ..... **Neogene**

1407. *Phlegrata pala* Wunderlich, 1988* ..... Ne Dominican amber

† ***Prolinus* Petrunkevitch, 1958** ..... **Palaeogene**

1408. *Prolinus fossilis* Petrunkevitch, 1958* ..... Pa Baltic amber

† ***Salticidites* Straus, 1967** ..... **Neogene**

1409. *Salticidites hercynicus* Straus 1967* ..... Ne Willershausen

***Sarinda* Peckham & Peckham, 1892** ..... **Neogene – Recent**

?*Sarinda* sp. *in* Wunderlich (2004*aq*) ..... Ne Dominican amber

Araneomorphae *incertae sedis*

† ***Elvina* Thorell, 1870*b*** ..... **Neogene**

1410. *Elvina antiqua* (von Heyden, 1859) ..... Ne Linz am Rhein

Araneae *incertae sedis*

Araneae *incertae sedis in* Selden *et al*. (2014) ..... P Kurty, Kazakhstan

† ***Amphiclotho* Gourret, 1887** ..... **Palaeogene**

1411. *Amphiclotho breviuscula* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Amphithomisus* Gourret, 1887** ..... **Palaeogene**

1412. *Amphithomisus barbatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Atocatle* Feldmann, Vega, Applegate & Bishop, 1998** [really a spider?]..... **Cretaceous**

1413. *Atocatle ranulfoi* Feldmann, Vega, Applegate & Bishop, 1998*..... K Puebla, México

† ***Cercidiella* Gourret, 1887** ..... **Palaeogene**

1414. *Cercidiella aquisextana* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Clubionella* Gourret, 1887** ..... **Palaeogene**

1415. *Clubionella antiqua* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Eresoides* Gourret, 1887** ..... **Palaeogene**

1416. *Eresoides orbicularis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Hersilioides* Gourret, 1887** ..... **Palaeogene**

1417. *Hersilioides thanatiformis* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Opisthophylax* Menge, 1856** ..... **Palaeogene**

1418. *Opisthophylax exarata* Menge, 1856* ..... Pa Baltic amber

† ***Palaranea* Frič, 1873** ..... **Carboniferous**

1419. *Palaranea borassifoliae* Frič, 1874* ..... C Radnice

† ***Paralycosa* Dunlop & Jekel, 2009** ..... **Palaeogene**

= † *Protolycosa* Gourret, 1887 [preoccupied]

1420. *Paralycosa attiformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

† ***Prodysdera* Gourret, 1887** ..... **Palaeogene**

1421. *Prodysdera intermedia* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protochersis* Gourret, 1887** ..... **Palaeogene**

1422. *Protochersis spinosus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Protolachesis* Gourret, 1887** ..... **Palaeogene**

1423. *Protolachesis annulata* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Pseudothomisus* Gourret, 1887** ..... **Palaeogene**

1424. *Pseudothomisus articulatus* Gourret, 1887* ..... Pa Aix-en-Provence

† ***Pyritaranea* Frič, 1901** ..... **Carboniferous**

= † *Eopholcus* Frič, 1904

1425. *Pyritaranea tubifera* Frič, 1901* ..... C Nýřany

i. = *Eopholcus pedatus* Frič, 1904 ..... C Nýřany

† ***Schellenbergia* Heer, 1865** ..... **Neogene**

1426. *Schellenbergia rotundata* Heer, 1865* ..... Ne Öhningen

† ***Timeropus* Thorell, 1891** ..... **Palaeogene**

= † *Lycosoides* Gourret, 1887 [preoccupied]

1427. *Timeropus hersiliformis* (Gourret, 1887)* ..... Pa Aix-en-Provence

NOMINA DUBIA

† ***Ablator*** **Petrunkevitch, 1942** [also contains valid fossil species]

1. *Ablator plumosus* (Petrunkevitch, 1950) [see Penney (2020)] ..... Pa Baltic amber

† ***Acrometa*** **Petrunkevitch, 1942** [also contains valid fossil species]

2. *Acrometa minutum* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber
3. *Acrometa robusta* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber
4. *Acrometa samlandica* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

† ***Adjunctor*** **Petrunkevitch, 1942 (*nomen dubium*)**

5. *Adjunctor similis* Petrunkevitch, 1942 [see Penney (2020)] ..... Pa Baltic amber

† ***Adjutor*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

6. *Adjutor deformis* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber
7. *Adjutor mirabilis* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Admissor*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

8. *Admissor aculeatus* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

Amaurobius **C. L. Koch, 1837** [no currently valid fossil species]

9. *Amaurobius faustus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
10. *Amaurobius rimosus* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Arthrodictyna*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

11. *Arthrodictyna segmentata* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

Auximus **Simon, 1892** [now *Lathys* Simon, 1884: Dictynidae; no currently valid fossil species]

12. *Auximus fossilis* Petrunkevitch, 1950 ..... Pa Baltic amber
13. *Auximus succini* Petrunkevitch, 1942 ..... Pa Baltic amber

† ***Caduceator*** **Petrunkevitch, 1942** [also contains valid fossil species]

14. *Caduceator minutus* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Clythia*** **C. L. Koch & Berendt, 1854 (*nomen dubium*)** ..... **Palaeogene**

15. *Clythia alma* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

Clubiona **Latreille, 1804*a*** [also contains valid fossil and living species]

16. *Clubiona attenuata* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber
17. *Clubiona lanata* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber
18. *Clubiona microphthalma* C. L. Koch & Berendt, 1854 [see Penney (2020)] Pa Baltic amber
19. *Clubiona pubescens* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber
20. *Clubiona sericea* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber
21. *Clubiona tomentosa* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

† ***Collacteus*** **Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

22. *Collacteus captivus* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Corynitoides*** **Dunlop & Jekel, 2009 (*nomen dubium*)** ..... **Palaeogene**

= † *Corynitis* Menge *in* C. L. Koch & Berendt, 1854 [preoccupied]

23. *Corynitoides spinosa* (Menge *in* C. L. Koch & Berendt, 1854)* ..... Pa Baltic amber
24. *Corynitoides undulata* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

† ***Cyclososoma*** **Petrunkevitch, 1958 (*nomen dubium*)** ..... **Palaeogene**

25. *Cyclososoma succini* Petrunkevitch, 1958* [see Penney (2020)] ..... Pa Baltic amber

† ***Eocryphoeca* Petrunkevitch, 1958** [also contains valid fossil species]

26. *Eocryphoeca distincta* Petrunkevitch, 1950 ..... Pa Baltic amber

27. *Eocryphoeca fossilis* (Petrunkevitch, 1942) ..... Pa Baltic amber

† ***Eodipoena* Petrunkevitch, 1942** [a synonym of Eomysmena which contains valid fossil species]

28. *Eodipoena nielseni* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

† ***Eometa* Petrunkevitch, 1958** [also contains valid fossil species]

29. *Eometa aberrans* Petrunkevitch, 1958 ..... Pa Baltic amber

30. *Eometa robusta* Petrunkevitch, 1958 ..... Pa Baltic amber

† ***Eomysmena* Petrunkevitch, 1942** [also contains valid fossil species]

31. *Eomysmena succini* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

† ***Eopisaurella* Petrunkevitch, 1958 (*nomen dubium*)** ..... **Palaeogene**

32. *Eopisaurella valdespinosa* Petrunkevitch, 1958* [see Penney (2020)] ..... Pa Baltic amber

† ***Eostaianus* Petrunkevitch, 1950 (*nomen dubium*)** ..... **Palaeogene**

33. *Eostaianus succini* Petrunkevitch, 1950* [see Penney (2020)] ..... Pa Baltic amber

† ***Eostasina* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

34. *Eostasina aculeata* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Ephalmator* Petrunkevitch, 1950** [also contains valid fossil species]

35. ?*Ephalmator eximius* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

***Ero* C. L. Koch 1836** [also contains valid fossil species]

36. *Ero setulosa* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Esuritor* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

Wunderlich (2022*a*) considred this genus a member of the Zoropsidae *s.l.*

37. *Esuritor aculeatus* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

38. *Esuritor spinipes* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

***Euophrys* C. L. Koch, 1834** [also contains valid fossil and living species]

39. *Euophrys gibberula* (C. L. Koch & Berendt, 1854) [see Penney (2020)] ..... Pa Baltic amber

† ***Euryopus* Menge *in* C. L. Koch & Berendt, 1854 (*nomen dubium*)** ..... **Palaeogene**

40. *Euryopus gracilipes* Menge *in* C. L. Koch & Berendt, 1854* [see Penney (2020)] ..... Pa Baltic amber

† ***Fictotama* Petrunkevitch, 1963 (*nomen dubium*)** ..... **Palaeogene**

41. *Fictotama extincta* Petrunkevitch, 1963* ..... Ne Chiapas amber

† ***Fiducia* Petrunkevitch, 1950 (*nomen dubium*)** ..... **Palaeogene**

42. *Fiducia tenuipes* Petrunkevitch, 1950* [see Penney (2020)] ..... Pa Baltic amber

† ***Filiolella* Petrunkevitch, 1955*a* (*nomen dubium*)** ..... **Palaeogene**

= † *Filiola* Petrunkevitch, 1942 [preoccupied]

43. *Filiolella argentata* (Petrunkevitch, 1942)* [see Penney (2020)] ..... Pa Baltic amber

† ***Gorgopsina* Petrunkevitch, 1955*a*** [also contains valid fossil species]

44. *Gorgopsina formosa* (C. L. Koch & Berendt, 1854) [see Penney (2020)] ..... Pa Baltic amber

45. *Gorgopsina jucunda* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

46. *Gorgopsina naumanni* Giebel, 1856 [see Penney (2020)] ..... Pa Baltic amber

47. *Gorgopsina paulula* (C. L. Koch & Berendt, 1854) [see Penney (2020)] ..... Pa Baltic amber

***Hersilia* Audouin, 1826** [also contains valid fossil and living species]

48. *Hersilia longipes* Giebel, 1856 [see Penney (2020)] ..... Pa Baltic amber

† ***Machilla* Petrunkevitch, 1958 (*nomen dubium*)** ..... **Palaeogene**

49. *Machilla setosa* Petrunkevitch, 1958* [see Penney (2020)] ..... Pa Baltic amber

† ***Massula* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

50. *Massula klebsi* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Medela* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

51. *Medela baltica* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Meditrina* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

52. *Meditrina circumvallata* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Memoratrix* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

regarded by Wunderlich (2004*p*) as a possible pimoid or linyphiid

53. *Memoratrix rydei* Petrunkevitch, 1942 [see Penney (2020)] ..... Pa Baltic amber

***Micryphantes* C. L. Koch, 1833** [also contains valid living species]

54. *Micryphantes molybdinus* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

55. *Micryphantes regularis* C. L. Koch & Berendt, 1854 [see Penney (2020)] . Pa Baltic amber

† ***Mimetarchaea* Eskov, 1992** ..... **Palaeogene**

56. *Mimetarchaea gintaras* Eskov, 1992* ..... Pa Baltic amber

name based on a subadult male

† ***Miropholcus* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

= † *Micropholcus* Petrunkevitch, 1942 [*lapsus*]

57. *Miropholcus heteropus* Petrunkevitch, 1942* ..... Pa Baltic amber

Misumena* Latreille, 1804*a [also contains valid living species]

58. *Misumena samlandica* Petrunkevitch, 1942 [see Penney (2020)] ..... Pa Baltic amber

† ***Mizalia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

59. *Mizalia blauvelti* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

† ***Municeps* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

60. *Municeps pulcher* Petrunkevitch, 1942 [see Penney (2020)] ..... Pa Baltic amber

† ***Mystagogus* Petrunkevitch, 1942 (*nomen dubium*)** ..... **Palaeogene**

61. *Mystagogus dubius* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

62. *Mystagogus glaber* Petrunkevitch, 1942* [see Penney (2020)] ..... Pa Baltic amber

† ***Nanomysmena* Petrunkevitch, 1958** [also contains valid fossil species]

63. *Nanomysmena aculeata* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

***Orchestina* Simon, 1882** [also contains valid living and fossil species]

64. *Orchestina pusilla* (Menge *in* C. L. Koch & Berendt, 1854) [see Penney (2020)] ..... Pa Baltic amber

† ***Perturbator* Petrunkevitch, 1971 (*nomen dubium*)** ..... **Neogene**

65. *Perturbator corniger* Petrunkevitch, 1971* ..... Ne Chiapas amber

† ***Phalangopus* Menge *in* C. L. Koch & Berendt, 1854 (*nomen dubium*)** ..... **Palaeogene**

66. *Phalangopus subtilis* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

Phrurolithus* C. L. Koch, 1839*b [also contains valid living species]

Wunderlich (2002*a*) regarded this as a doubtful genus which may be a synonym of another amber genus.

67. *Phrurolithus fossilis* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

68. *Phrurolithus ipseni* Petrunkevitch, 1958 [see Penney (2020)] ..... Pa Baltic amber

† ***Praeoarces* Wunderlich, 2004*q*** ..... **Palaeogene**

69. *Praeoarces exitus* Wunderlich, 2004*q** ..... Pa Baltic amber

***Segestria* Latreille, 1804** [also contains valid fossil species]

70. *Segestria cristata* Menge *in* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

71. *Segestria elongata* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

72. *Segestria nana* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

73. *Segestria succinei* Berland, 1939 [see Penney (2020)] ..... Pa Baltic amber

† ***Sosybius* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

74. *Sosybius decumana* (C. L. Koch & Berendt, 1854) [see Penney (2020)] .... Pa Baltic amber

75. *Sosybius fusca* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

76. *Sosybius major* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

77. *Sosybius minor* C. L. Koch & Berendt, 1854* [see Penney (2020)] ..... Pa Baltic amber

78. *Sosybius parva* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

79. *Sosybius rufa* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

80. *Sosybius succineus* (Petrunkevitch, 1942) [see Penney (2020)] ..... Pa Baltic amber

† ***Steneattus* Bronn, 1856 (*nomen dubium*)** ..... **Palaeogene**

= † *Leda* C. L. Koch & Berendt, 1854 [preoccupied]

81. *Steneattus promissa* (C. L. Koch & Berendt, 1854)* [see Penney (2020)] ... Pa Baltic amber

Tegenaria* Latreille, 1804*a [also contains valid fossil and living species]

82. *Tegenaria virilis* Menge *in* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

† ***Thereola* Petrunkevitch, 1955** ..... **Palaeogene**

= † *Therea* Koch & Berendt, 1854 [preoccupied]

83. *Thereola petiolata* (C. L. Koch & Berendt, 1854)* [see Penney (2020)] ..... Pa Baltic amber

84. *Thereola pubescens* (Menge *in* C. L. Koch & Berendt, 1854) [see Penney (2020)] ..... Pa Baltic amber

***Theridion* Walckenaer, 1805** [also contains valid fossil and living species]

85. '*Theridion*' *alutaceum* C. L. Koch & Berendt, 1854 [see Penney (2020)] .... Pa Baltic amber

86. '*Theridion*' *berendti* Marusik & Penney, 2004 [see Penney (2020)] ..... Pa Baltic amber

= *Theridion globosa* C. L. Koch & Berendt, 1854 [preoccupied]

87. '*Theridion*' *detersum* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

88. '*Theridion*' *globosus* (Presl, 1822) [see Penney (2020)] ..... Pa Baltic amber

89. '*Theridion*' *hirtum* C. L. Koch & Berendt, 1854 [see Penney (2020)] ..... Pa Baltic amber

90. '*Theridion*' *oblongum* (Presl, 1822) ..... Pa Baltic amber

91. '*Theridion*' *ovale* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

92. '*Theridion*' *ovatum* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

93. '*Theridion*' *simplex* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Zachria* L. Koch, 1875** [also contains valid fossil and living species]

94. *Zachria peculiata* Petrunkevitch, 1946 ..... Pa Baltic amber

95. *Zachria restincta* Petrunkevitch, 1958 ..... Pa Baltic amber

NOMINA NUDA

***Amaurobius* C. L. Koch, 1837** [no currently valid fossil species]

1. *Amaurobius spinimanus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
   probably belongs in *Eomatachia* (cf. Wunderlich 2017*a*), but species unclear

† ***Anatone* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

2. *Anatone hirsuta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
3. *Anatone marginata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
4. *Anatone spinipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Aranea* Clerck, 1757** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

5. *Aranea fossilis* Keferstein, 1834 ..... Pa Aix-en-Provence

***Archaea* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

6. *Archaea incomta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
7. *Archaea sphinx* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Athera* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

8. *Athera exilis* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Attus* Walckenaer, 1805** [now *Salticus* Latreille, 1804; no currently valid fossil species]

9. *Attus fossilis* Walckenaer, 1837 ..... Pa Baltic amber

***Clubiona* Latreille, 1804** [also contains valid fossil species]

10. *Clubiona eseri* Heer, 1865 ..... Ne Öhningen
11. *Clubiona latifrons* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
12. *Clubiona parvula* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
13. *Clubiona pilosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Clythia* C. L. Koch & Berendt, 1854** [also contains a *nomen dubium* fossil species]

14. *Clythia funestra* Koch & Berendt, 1854 ..... Pa Baltic amber
15. *Clythia gracilenta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
16. *Clythia leptocarena* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Dielacata* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

17. *Dielacata superba* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Drassus* Walckenaer, 1805** [now *Gnaphosa* Latreille, 1804; which also contains valid fossil species]

18. *Drassus oblongus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Dysdera* Latreille, 1804** [also contains valid fossil species]

19. *Dysdera hippopodium* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
20. *Dysdera glabrata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
21. *Dysdera scobiculata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
22. *Dysdera tenera* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Eolinus* Petrunkevitch, 1942** [also contains valid fossil species]

23. *Eolinus bitterfeldensis* Wunderlich, 2004*aq* ..... Pa Baltic amber
24. *Eolinus tystschenkoides* Wunderlich, 2004*aq* ..... Pa Baltic amber

† ***Eomysmena* Petrunkevitch, 1942** [also contains valid fossil species]

25. *Eomysmena punctulata* (C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
26. *Eomysmena tenera* (Menge in C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Epeira* Walckenaer, 1805** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

27. *Epeira eocaenica* Giebel, 1856 ..... Pa Baltic amber
28. *Epeira eocena* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Epeiridion* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

29. *Epeiridion femoratum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Erithus* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

30. *Erithus applanatus* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Ero* C. L. Koch & Berendt, 1836** [also contains valid fossil species]

31. *Ero coronata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
32. *Ero exculpta* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
33. *Ero sphaerica* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
34. *Ero quadripunctata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Eyukselus* Özdikmen, 2007 (*nomen nudum*)** ..... **Palaeogene**

= † *Propetes* Menge, 1854 [preoccupied]

35. *Eyukselus argutus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
36. *Eyukselus felinus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
37. *Eyukselus griseus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
38. *Eyukselus latifrons* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber
39. *Eyukselus pumilus* (Menge *in* C. L. Koch & Berendt, 1854) ..... Pa Baltic amber

***Gea* C. L. Koch, 1843** [also contains valid fossil species]

40. *Gea pubescens* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Heteromma* Menge, 1856 (*nomen nudum*)** ..... **Palaeogene**

41. *Heteromma intersecta* Menge, 1856* ..... Pa Baltic amber

† ***Idmonia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

42. *Idmonia virginea* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Melanophora* C. L. Koch, 1833** [now *Zelotes* Gistel, 1848; which also contains valid fossil species]

43. *Melanophora lepida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
44. *Melanophora nitida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Micaria* Westring, 1851** [also contains valid fossil species]

45. *Micaria ovata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
46. *Micaria squamata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
47. *Micaria tenuis* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Micryphantes* C. L. Koch, 1833** [also contains valid fossil species]

48. *Micryphantes globulus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
49. *Micryphantes turritus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Mizalia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

50. *Mizalia truncata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Ocia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

51. *Ocia hirsuta* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Ocypete* C. L. Koch, 1836** [now *Heteropoda* Latreille, 1804; which also contains valid fossil species]

52. *Ocypete angustifrons* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
53. *Ocypete marginata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Onca* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

54. *Onca lepida* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
55. *Onca pumila* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

***Philodromus* Walckenaer, 1826** [also contains valid fossil species]

56. *Philodromus griseus* Menge, 1856 ..... Pa Baltic amber
57. *Philodromus marginatus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
58. *Philodromus reptans* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
59. *Philodromus redogradus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
60. *Philodromus spinipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Pythonissa* C. L. Koch, 1837** [now *Gnaphosa* Latreille, 1804; which also contains valid fossil species]

61. *Pythonissa bipunctata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
62. *Pythonissa discophora* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
63. *Pythonissa glabra* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
64. *Pythonissa villosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Segestria* Latreille, 1804** [also contains valid fossil species]

65. *Segestria exarata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
66. *Segestria sulcata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
67. *Segestria undulata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Siga* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

68. *Siga crinita* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Spheconia* Menge *in* C. L. Koch & Berendt, 1854 (*nomen nudum*)** ..... **Palaeogene**

69. *Spheconia brevipes* Menge *in* C. L. Koch & Berendt, 1854* ..... Pa Baltic amber

† ***Syphax* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

70. *Syphax hirtus* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Theridium* Walckenaer, 1805** [now *Theridion* Walckenaer, 1805; which also contains valid fossil species]

71. *Theridium bifurcum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
72. *Theridium chorius* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
73. *Theridium clavigerum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
74. *Theridium crassipes* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
75. *Theridium setulosum* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

***Thomisus* Walckenaer, 1805** [also contains valid fossil species]

76. *Thomisus matutinus* Menge, 1856 ..... Pa Baltic amber

† ***Thyelia* C. L. Koch & Berendt, 1854** [also contains valid fossil species]

77. *Thyelia mengei* Giebel, 1856 ..... Pa Baltic amber
78. *Thyelia pectinata* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
79. *Thyelia spinosa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

† ***Zilla* C. L. Koch & Berendt, 1834** [also contains valid fossil species]

80. *Zilla cornumana* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber
81. *Zilla spinipalpa* Menge *in* C. L. Koch & Berendt, 1854 ..... Pa Baltic amber

MISIDENTIFICATIONS

***Aranea* Clerck, 1757** [now *Araneus* Clerck, 1757; which also contains valid fossil species]

1. *Aranea fusca pilosa* Bloch, 1776 [*nomen dubium*; non Araneae?] ..... Qt Copal

† ***Araneaovoius* Dunlop & Braddy, 2011 [ichnogenus]** ..... **Palaeogene**

2. *Araneaovoius columbiae* (Scudder 1878)* [fossil egg sac]..... Pa Canada / USA

† ***Archaeometa* Pocock, 1911** ..... **Devonian**

3. ?*Archaeometa devonica* Størmer, 1976 [unidentifiable] ..... D Alken an der Mosel

† ***Arthrolycosa* Harger, 1874** [also contains a valid fossil species] ..... **Carbon. – Permian**

4. *Arthrolycosa tarda* Frič, 1912 [Arachnida *incertae sedis*] ..... C Krmsol

† ***Dinopilio* Frič, 1904** ..... **Carboniferous**

5. *Dinopilio gigas* Frič, 1904* [Arachnida *incertae sedis*] ..... C Rakovník

6. *Dinopilio parvus* Petrunkevitch, 1953 [Arthropoda *incertae sedis*] ..... C Kent, UK

***Mongolarachne* Selden, Shi & Ren, 2013** [contains a valid species] ..... **Jurassic**

7. *Mongolarachne chaoyangensis* Cheng *et al*., 2019 [crustacean] ..... J Liaoning, China

† ***Oichnus* Bromley 1981 [ichnogenus !]**..... **Palaeogene**

8. *Oichnus bavincourti* (Vaillant, 1909) [at one stage placed in *Cteniza*] ..... Pa Northern France

† ***Palpipes* Roth, 1854** ..... **Jurassic**

9. *Palpipes cursor* Roth, 1854 [crustacean] ..... J Solnhofen

† ***Palaeocteniza* Hirst, 1923** ..... **Devonian**

10. *Palaeocteniza crassipes* Hirst, 1923* [juvenile trigonotarbid?] ..... D Rhynie chert

† ***Pleurolycosa* Frič, 1904** ..... **Carboniferous**

11. *Pleurolycosa prolifera* (Frič, 1901)* [Arthropoda *incertae sedis*] ..... C Nýřany

50,620 Recent species according to the WSC (2022)

HAPTOPODA

1 currently valid species of fossil haptopod

† **HAPTOPODA Pocock, 1911** ..... **Carboniferous**

† **PLESIOSIRONIDAE Pocock, 1911** ..... **Carboniferous**

† ***Plesiosiro* Pocock, 1911** ..... **Carboniferous**

1. *Plesiosiro madeleyi* Pocock, 1911* ..... C Coseley

no Recent species

AMBLYPYGI

11 currently valid species of fossil whip spider

AMBLYPYGI Thorell, 1882 ..... **Carbon. – Recent**

= PHRYNÉIDES Walckenaer, 1837

= PHRYNICHIDA Petrunkevitch, 1945*a*

PALAEOAMBLYPYGI Weygoldt, 1996 (suborder) ..... **Carbon. – Recent**

† **WEYGOLDTINIDAE Dunlop, 2018** ..... **Carboniferous**

† ***Weygoldtina*** **Dunlop, 2018** ..... **Carboniferous**

1. *Weygoldtina anglica* (Pocock, 1911) ..... C Coseley
2. *Weygoldtina scudderi* (Pocock, 1911)* ..... C Mazon Creek

PARACHARONTIDAE Weygoldt, 1996 ..... **Carbon. – Recent**

† ***Paracharonopsis*** **Engel & Grimaldi, 2014** ..... **Palaeogene**

3. *Paracharonopsis cambayensis* Engel & Grimaldi, 2014* ..... Pa Cambay amber

EUAMBLYPYGI Weygoldt, 1996 (suborder) ..... **Carbon – Recent**

FAMILY UNCERTAIN

† ***Sorellophrynus*** **Harvey, 2002** ..... **Carboniferous**

= † *Protophrynus* Petrunkevitch, 1913 (preoccupied)

4. *Sorellophrynus carbonarius* (Petrunkevitch, 1913)* ..... C Mazon Creek

CHARINIDAE Quintero, 1986 ..... **Recent**

no fossil record

NEOAMBLYPYGI Weygoldt, 1996 (infraorder) ..... **Cretaceous – Recent**

CHARONTIDAE Simon, 1892*a* ..... **Recent**

no fossil record

UNIDISTITARSATA Engel & Grimaldi, 2014 ..... **Cretaceous – Recent**

† ***Kronocharon*** **Engel & Grimaldi, 2014** ..... **Cretaceous**

5. *Kronocharon engeli* Wunderlich, 2015*c* ..... K Burmese amber
6. *Kronocharon longicalcaris* Wunderlich, 2015*c* ..... K Burmese amber
7. *Kronocharon prendinii* Engel & Grimaldi, 2014* ..... K Burmese amber

PHRYNOIDEA Blanchard, 1852 ..... **Cretaceous – Recent**

PHRYNICHIDAE Simon, 1892*a* ..... **Recent**

no fossil record

PHRYNIDAE Blanchard, 1852 …… **Cretaceous – Recent**

= † ELECTROPHRYNIDAE Petrunkevitch, 1971

† ***Britopygus*** **Dunlop & Martill, 2002** …… **Cretaceous**

8. *Britopygus weygoldti* Dunlop & Martill, 2002 …… K Crato Formation

Phrynus **Lamarck, 1801** …… **Neogene – Recent**

9. *Phrynus mexicana* Poinar & Brown, 2004 …… Ne Chiapas amber
10. *Phrynus resinae* (Schawaller, 1979*b*) …… Ne Dominican amber

AMBLYPYGI *INCERTAE SEDIS*

† ***Thelyphrynus*** **Petrunkevitch, 1913** …… **Carboniferous**

11. *Thelyphrynus elongatus* Petrunkevitch, 1913 …… C Mazon Creek

NOMINA DUBIA

† ***Graeophonus*** **Scudder, 1890*b*** …… **Carboniferous**

Dunlop (2018) treated the entire genus as a *nomen dubium* as its type species is the fossil *L. carbonaria* (see below), which is not demonstrably a whip spider

1. *Electrophrynus mirus* Petrunkevitch, 1971 …… Ne Chiapas amber
2. *Libellula carbonaria* Scudder, 1876 …… C Cape Breton

based on an abdomen only which cannot be meaningfully ascribed to any particular arthropod group

3. *Phrynus fossilis* Keferstein, 1834 …… Pa Aix-en-Provence
   i. = *Phrynus marioni* Gourret, 1887 …… Pa Aix-en-Provence

262 Recent species

UROPYGI

10 currently valid species of fossil whip scorpion

UROPYGI Thorell, 1882 ..... **Carbon. – Recent**

= THELYPHONIDA Latreille, 1804b

= UROTRICHA C. L. Koch, 1851

= OXOPOEI Thorell, 1888

= HOLOPELTIDIA Börner, 1902

Thelyphonida sp. *in* Selden *et al*. 2014 ..... C Donets Basin

plesion genera

† ***Geralinura* Scudder, 1884** ..... **Carboniferous**

1. *Geralinura britannica* Pocock, 1911 ..... C Coseley
2. *Geralinura carbonaria* Scudder, 1884* ..... C Mazon Creek
   - i. = *Geralinura gigantea* Petrunkevitch, 1913 ..... C Mazon Creek
   - ii. = *Geralinura similis* Petrunkevitch, 1913 ..... C Mazon Creek

† ***Parageralinura* Tetlie & Dunlop, 2008** ..... **Carboniferous**

3. *Parageralinura marsiglioi* Selden, Dunlop & Simonetto, 2016 ..... C Carnic Alps
4. *Parageralinura naufraga* (Brauckmann & Koch, 1983)* ..... C Hagen-Vorhalle
5. *Parageralinura neerlandicus* Laurentiaux-Viera & Laurentiaux, 1961..... C Limburg

† ***Proschizomus* Dunlop & Horrocks, 1996** ..... **Carboniferous**

6. *Proschizomus petrunkevitchi* Dunlop & Horrocks, 1996 ..... C Coseley

† ***Prothelyphonus* Frič, 1904** ..... **Carboniferous**

7. *Prothelyphonus bohemicus* (Kušta, 1884*b*) ..... C Rakovník
   - i. = *Prothelyphonus cordai* Frič, 1904 ..... C Rakovník
   - ii. = *Geralinura crassa* Kušta, 1888 ..... C Rakovník
   - iii. = *Geralinura noctua* Kušta, 1888 ..... C Rakovník
   - iv. = *Geralinura scudderi* Kušta, 1888 ..... C Rakovník

THELYPHONIDAE Lucas 1835 ..... **Cretaceous – Recent**

† ***Burmathelyphonia* Wunderlich, 2015*c*** ..... **Cretaceous**

8. *Burmathelyphonia prima* Wunderlich, 2015*c** ..... K Burmese amber

† ***Mesoproctus* Dunlop, 1988** ..... **Cretaceous**

9. *Mesoproctus rowlandi* Dunlop, 1998 ..... K Crato Formation

Mesoproctus sp. *in* Dunlop & Martill (2002) ..... K Crato Formation

† ***Mesothelyphonus* Cai & Huang, 2017*** ..... **Cretaceous**

10. *Mesothelyphonus parvus* Cai & Huang, 2017* ..... K Burmese amber

MISIDENTIFICATIONS

1. *Thelyphonus hadleyi* Pierce, 1945 [unidentifiable, ?algal] …...……..…...Ne California

124 Recent species

SCHIZOMIDA

14 currently valid species of fossil schizomids

- the fossil family Calcitronidae cannot be meaningfully compared to the Recent families

SCHIZOMIDA Petrunkevitch, 1945*b* ..... **Cretaceous – Recent**

= TARTARIDES Thorell, 1888 (tribe)

= COLOPYGA Cook, 1899 (order)

= SCHIZOPELTIDA Börner, 1902 (tribe)

† **CALCITRONIDAE Petrunkevitch, 1945*b*** ..... **Palaeogene – Neogene**

† ***Calcitro* Petrunkevitch, 1945*b*** ..... **Palaeogene – Neogene**

1. *Calcitro fisheri* Petrunkevitch, 1945*b** ..... Ne Onyx Marble
2. *Calcitro oplonis* Lin *in* Lin *et al.,* 1988 ..... Pa Shandong, China

HUBBARDIIDAE Cook, 1899 ..... **Cretcaeous – Recent**

† ***Annazomus* De Francesco Magnussen & Müller *in* De Francesco Magnussen *et al*., 2022** ..... **Cretaceous**

3. *Annazomus parvulus* De Francesco Magnussen *in* De Francesco Magnussen *et al*., 2022* ..... K Burmese amber

***Antillostenochrus* Armas & Teruel, 2002** ..... **Neogene – Recent**

4. *Antillostenochrus pseudoannulatus* (Krüger & Dunlop, 2010) ..... Ne Dominican Amber

† ***Calcoschizomus* Pierce, 1951** ..... **Neogene**

5. *Calcoschizomus latisternum* Pierce, 1951 ..... Ne Onyx Marble

† ***Cretaceozomus* De Francesco Magnussen & Müller *in* De Francesco Magnussen *et al*., 2022** ..... **Cretaceous**

6. *Cretaceozomus angustocaudatus* De Francesco Magnussen *in* De Francesco Magnussen *et al*., 2022* ..... K Burmese amber
7. *Cretaceozomus robustus* De Francesco Magnussen *in* De Francesco Magnussen *et al*., 2022* ..... K Burmese amber

† ***Groehnizomus* De Francesco Magnussen & Müller *in* De Francesco Magnussen *et al*., 2022** ..... **Cretaceous**

8. *Groehnizomus oculiferans* De Francesco Magnussen & Müller *in* De Francesco Magnussen *et al*., 2022* ..... K Burmese amber
9. *Groehnizomus rodrigoi* Müller *in* De Francesco Magnussen *et al*., 2022 K Burmese amber

† ***Mesozomus* Müller, Dunlop, Kotthoff, Hammel & Harms, 2019** ..... **Cretcaeous**

10. *Mesozomus groehni* Müller, Dunlop, Kotthoff, Hammel & Harms, 2019* K Burmese amber

† ***Muellerizomus* De Francesco Magnussen & Müller *in* De Francesco Magnussen *et al*., 2022** ..... **Cretaceous**

11. *Muellerizomus amandae* De Francesco Magnussen & Müller *in* De Francesco Magnussen *et al*., 2022 ..... K Burmese amber
12. *Muellerizomus palicaudatus* De Francesco Magnussen *in* De Francesco Magnussen *et al*., 2022* ..... K Burmese amber

***Rowlandius* Reddell & Cokendolpher, 1995** ..... **Neogene – Recent**

13. *Rowlandius velteni* (Krüger & Dunlop, 2010) ..... Ne Dominican Amber

PROTOSCHIZOMIDAE Rowland, 1975 ..... **Neogene–Recent**

† ***Onychothelyphonus* Pierce, 1950** ..... **Neogene**

14. *Onychothelyphonus bonneri* Pierce, 1950 ..... Ne Onyx Marble

transferred from Hubbardidae, could be a senior synonym of the extant genus *Protoschizomus*

372 Recent species

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